

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design
SFN 7995 (2-2016)

FOR STATE USE ONLY (Type or Print)

RIMS Document Number 73093	Contract Number 67160673	District Tracking Number 7-008-154.6411
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APPLICANT INFORMATION

Authorized Utility Agent (must be same as signatory for permit)

Company Name Dakota Access, LLC	Contact Name Robert Rose	Telephone Number 852-008-1483
Mailing Address 300 Main Street	City HOUSTON	State TX ZIP Code 77002

Preparer - Consultant

Company Name Wood Group Mustang	Contact Name Jenni Sherrill	Telephone Number 903-510-3412
Mailing Address 100 Weiss Avenue	City Bismarck	State ND ZIP Code 58503

Utility Contractor

Company Name Precision Pipeline, LLC	Contact Name Jim Crawford	Telephone Number 715-490-0988
Mailing Address 3314 56th Street	City Eau Claire	State WI ZIP Code 54103

TYPE OF FACILITY (Complete appropriate space only.)

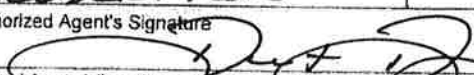
Description of Proposed Facility Steel Cathodically Protected Crude Oil Pipeline		
Size of Facility 12.75" OD x 0.500 WT	Number of Cables	Length of Down Guys
Pipeline Pressure MOP: 1,440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

The installation shall be completed on or before: Date **MAY 2017**

See page 2 for additional Terms and Conditions.

APPROVAL

Company Name (Utility Agency) DAKOTA ACCESS, LLC	Authorized Utility Agent Name (Type or Print) ROBERT ROSE	Authorize Agent Title Vice President, Land and Right of Way
Date 2/24/16	Authorized Agent's Signature 	

To be signed by Owner, Partner, Corporate President, Vice President, or other authorized Corporate Officer. If signed by other authorized Corporate Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto, and made a part hereof

NDDOT Approved Date
4/19/16

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

District Engineer (Type or Print) Joel M. Wilt	District Engineer Signature 
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D-MT-006.900
with

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2010 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT. The owner may be held responsible for delay costs caused by the owner's failure to use reasonable efforts to relocate or adjust facilities in a timely manner.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and regulations, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
- That in the event of breach of any of the above Non discrimination covenants, the NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.
- (I) If the utility facility includes drain tile, a "Request for Drainage on Highway Rights of Way", state form number 50909, must be made in conjunction with this permit.
- (J) The Department's review and subsequent approval of this permit request does not relieve the applicant of the responsibility to comply with all Federal and State laws and regulations that govern, but are not limited to, the protection of wetlands, threatened and endangered species, and migratory birds. The applicant is responsible to comply with all Federal and State laws and regulations that govern the protection of cultural resources within the permit application area (e.g., S.106 of the National Historic Preservation Act, 36 CFR Part 800; ND Century Code 55-02-07; ND Century Code 55-03-01.1). The applicant shall be aware of the ND State burial law (ND Century code 23-06-27; Administrative Rule 40-02) and ensure compliance for any discovery of human remains within the permit request area.
- (K) The Contractor agrees that NDDOT's review of the utility relocation plans, specifications, calculations, and field inspections shall be solely for NDDOT purposes and not for the benefit of the Utility or any third party and shall not be deemed to mean that the Utility's design and construction is structurally sound and appropriate or meets applicable federal and state regulations, laws, or local ordinances, codes, or industry standards (collectively, "Requirements"). The Utility affirms that it has taken all of the actions necessary and required for the construction, operation, and maintenance of its facility authorized hereunder, including compliance with all Requirements."
- (L) Detailed location maps showing lateral offsets from roadway centerlines are required for a permit.

For State Use Only

District Tracking Number

Please attach detail location map for each Utility Location. Use multiple utility locations when changing lateral offsets.

Highway Number ND 8		Utility Location <input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across			For State Use Only				
Nearest City or Hwy Jct. JETUS 2/ND8		Direction (N, S, E, W) SOUTH	Approximate Miles From 1.3		Begin		End		
Reference Marker 155		Direction (N, S, E, W) SOUTH	Longitudinal Offset (feet) 1940'		Location Number	Reference Pt 154.6411	Offset	Reference Pt	Offset
Begin	Direction From Centerline (N, S, E, W) WEST	Direction (N, S, E, W) SOUTH	Lateral Offset (feet) 93'		End	Reference Marker 154	Direction (N, S, E, W) NORTH	Longitudinal Offset (feet) 3385'	
	Direction From Centerline (N, S, E, W) WEST	Direction (N, S, E, W) SOUTH	Lateral Offset (feet) 93'			Direction From Centerline (N, S, E, W) WEST	Direction (N, S, E, W) NORTH	Lateral Offset (feet) 101'	

$3385 / 5280 = 0.641$

17 King @ \$100/ea
[Signature]

D-MT-006.900
ND#2

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:

1. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
2. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities. **The parking of equipment, vehicles, and storing of materials in the median on divided roadways is not permitted. On all roadways, parking and storing of materials may be permitted only if equipment, vehicles and material are located a minimum of 60 feet from the outside edge of the driving lane.**
3. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
4. The Recipient will notify the District Engineer of the Department of Transportation forty-eight (48) hours prior to beginning this installation. Immediately following the final clean up of the area, the Recipient shall again notify the District Engineer of the Department of Transportation.
5. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
6. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. **Trenches and Pits shall not be left open overnight, or unattended. Slopes shall not have more than a 2" drop off, all slopes shall be 4:1.**
7. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.

8. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
9. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.
10. Casing pipe, where installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.
11. The pipeline shall be installed under the surfaced section of the highway by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
12. The diameter of the hole for bored or jacked installations shall not exceed by more than one (1) inch the outside diameter of the facility. Oversized bores, overbreaks, and unused holes shall be backfilled with grout.
13. The location of the pipeline crossing shall be indicated by a marker post installed on each side of the highway at the right of way line. An identification sign shall be attached to one of the marker posts showing the name, address, and telephone number of the pipeline company.
14. The Department of Transportation shall be notified in advance of any proposed change in the type of transmittant carried by the pipeline, or any increase in the maximum working pressure specified in the application for the permit.
15. The casing pipe shall be continuous and shall extend a minimum of two (2) feet beyond the clear zone or two (2) feet beyond the toes of outer inslopes of the highway, whichever is further from the highway center line. The casing pipe shall be adequately sealed at both ends with suitable material that will prevent the formation of a waterway.
16. Casing is not required if approved extra wall thickness pipe is installed.
17. The Recipient shall indemnify, save, hold harmless, the State of North Dakota, its agencies, offices and employees, from any and all claims of any nature arising from any direct, indirect, or consequential damage to real property or business, including all costs, expenses, and attorney's fees, which may in any manner arise out of or result from this project.
18. The topsoil will be replaced on all disturbed areas and seeded as determined below (provide a temporary cover crop):

Seed Class Mix Requirements		
Class II – Early Season		
Grass Species	Variety	Pounds Pure Live Seed Per Acre

Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	3.2
Green Needlegrass	Lodorm, AC Mallard, Fowler	2.4
Sideoats Grama	Killdeer, Pierre, Butte	3.6
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		23.8

Seed Class Mix Requirements		
Class II – Late Season		
Grass Species	Variety	Pounds Pure Live Seed Per Acre
Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	1.6
Green Needlegrass	Lodorm, AC Mallard, Fowler	3.6
Canada Wild-rye	Mandan	5.2
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		25.0

BY

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability insurance** – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation insurance** meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional insured** on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

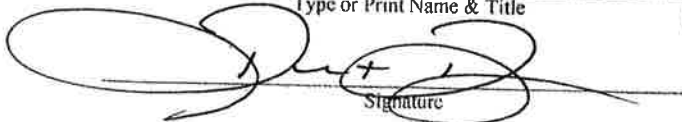
Joel M. Wilt
Williston District Engineer

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/24/14

Robert Ross Vice President, Land and Right of Way
Type or Print Name & Title


Signature

2-MT-006.900 ND#8

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1603

District Number 67

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET		City Houston	State TX
		ZIP Code 77002	

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temporary	<input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route 548
Location 3400' north of MD 154 on ND 8		
Town	Highway SH 8	Junction
		Mile Marker Number 54.6439

Description of proposed work on state right of way and type of business served.

Temporary drive on each side of ND 8 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

These are temporary driveways that will be removed when pipeline construction is complete. Contact the District when removal is complete. No bridge structures, construct with earth only. Traffic Control is required and it must be removed during non-work hours everyday.

APPLICANT:

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

Name (Type or Print)

ROBERT ROSE

District Engineer (Type or Print)

JOEL M. WILT

Signature

Signature

Vice President, Land and Right of Way

3/29/16

Title

Date

Date

Permit granted:

Construction shall be completed by:

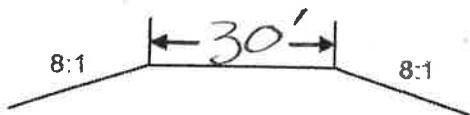
Date

Date

1/29/16

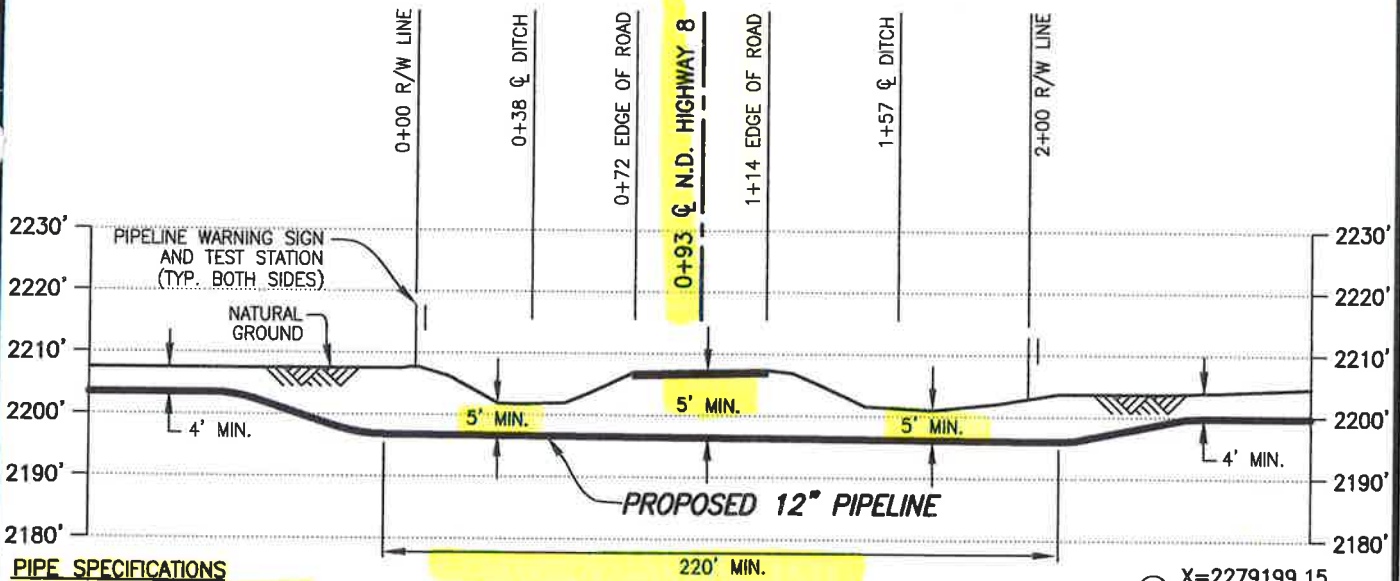
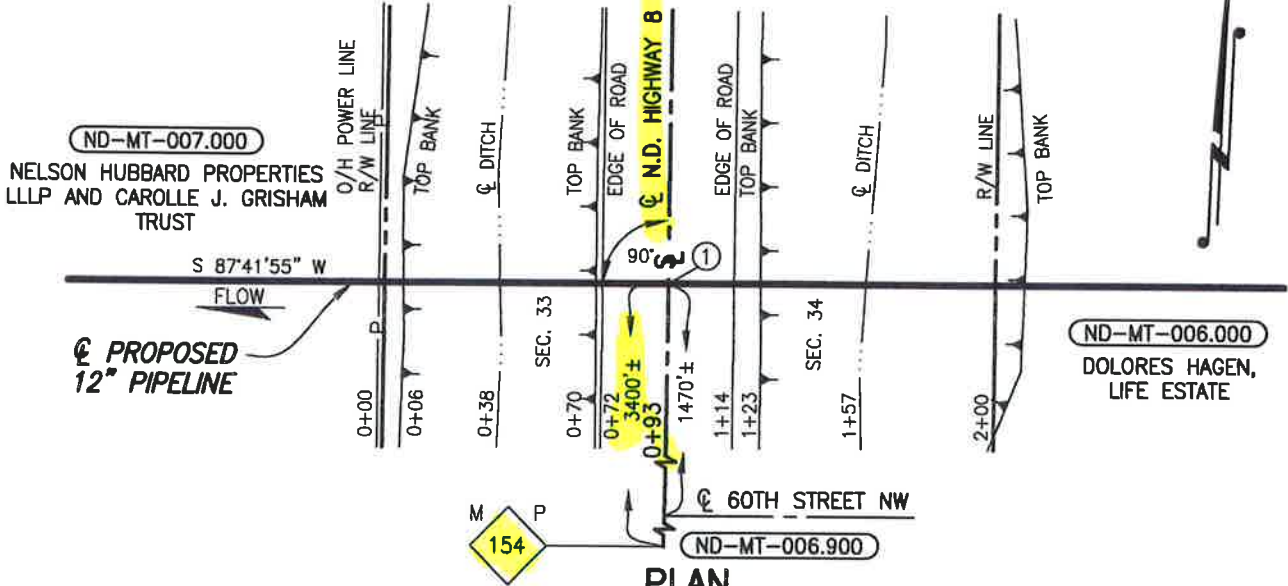
12/31/16

Sketch:



MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 33 & 34, TOWNSHIP 156 NORTH, RANGE 91 WEST



103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-NI
 306.900.dwg PLOT DATE: 12/29/2015 BY: MADAMBA, JOEY
 FILE: R:\Pr

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/28/15	JWH	ISSUED FOR USE/PERMIT	RC
A	12/22/15	MM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

**PROPOSED 12" DAPL PIPELINE CROSSING
N.D. HIGHWAY 8**

MOUNTRAIL COUNTY NORTH DAKOTA

DRAWN BY: MM	DATE: 12/15/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 12/16/15	ND-MT-006.900	B
SCALE: AS SHOWN	APP.:		



ND-MT-006.900 ND 8
 CLS LiNK GIS Viewer



CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

ROBERT ROSE Vice President, Land and Right of Way of DAKOTA Access, LLC

having requested permission from Idaho Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route 82 AVE NW between Sections 33/32 Township 156N R91W

Attach maps and construction plans

1. Utility Company agrees to pay Idaho Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Idaho Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 8th day of FEBRUARY 20 16.

[Signature]
Authorized agent
(713) 989-2864
Telephone

Vice President, Land and Right of Way

ND-MT-008.900
82 Ave NW

DAKOTA ACCESS, LLC
Company name
1300 main St.
Mailing address
Houston, Tx 77002
City, State & zip code

Idaho
Township

For Gerald Horner
Chairman

Chris Horner
CL/Treas

Please return permit to:

Claire Cunningham
1100 Weiss Avenue

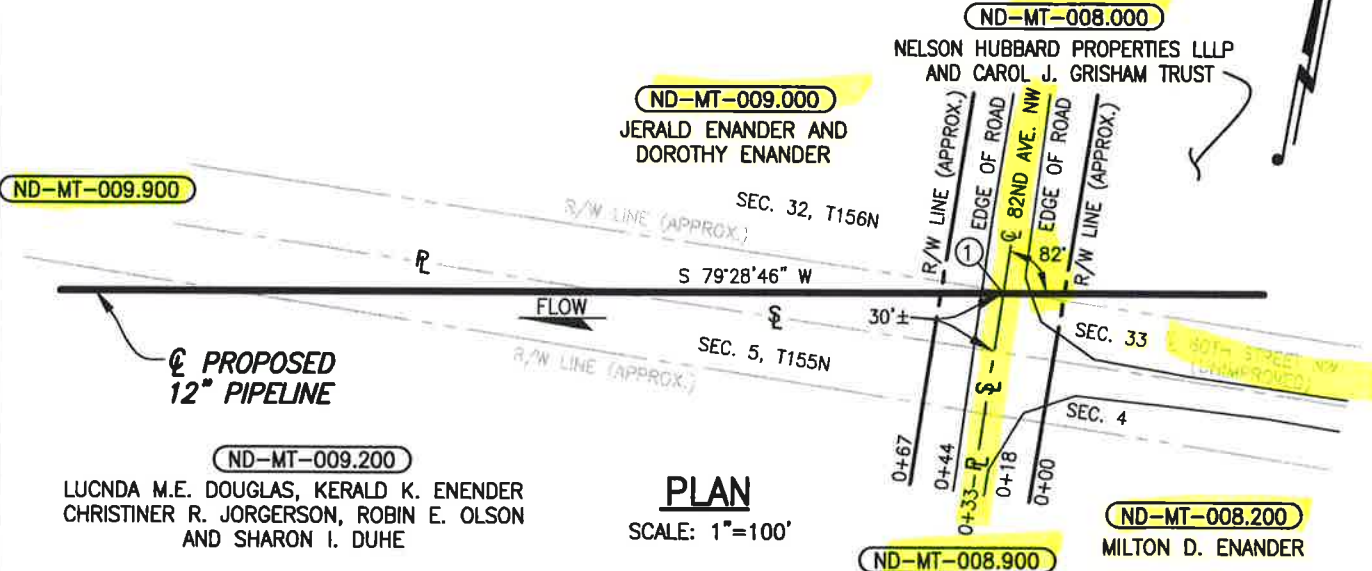
Bismarck, ND 58503

802.989.2489

ND-MT-008-900
82 ave. NW

MOUNTRAIL COUNTY, NORTH DAKOTA

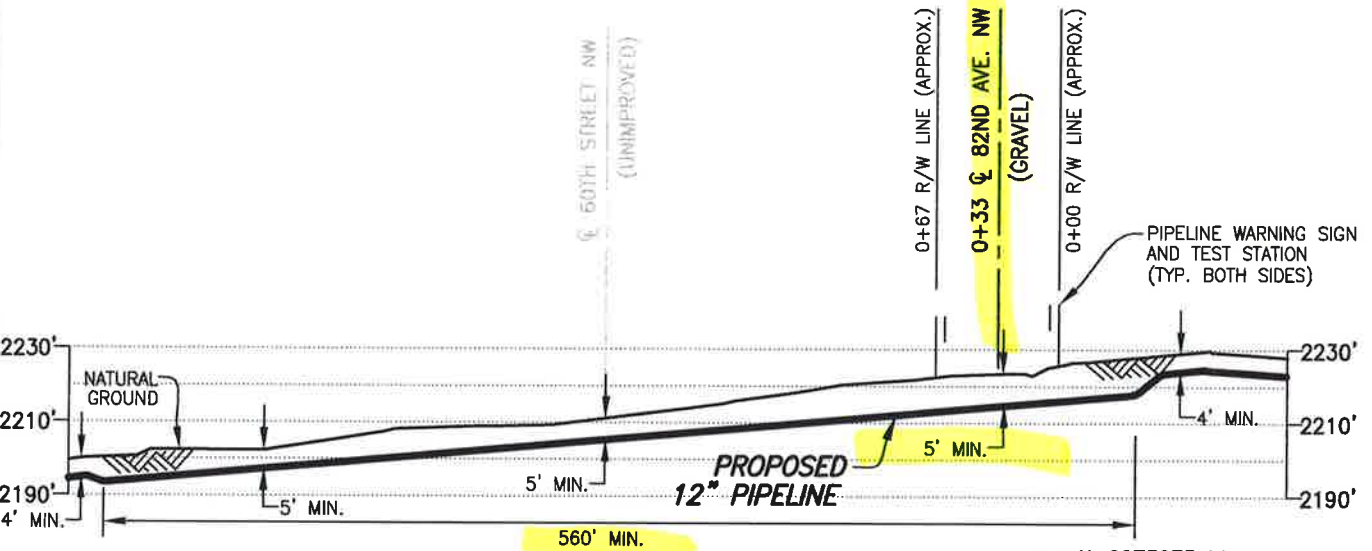
SECTIONS 32 & 33, TOWNSHIP 156 NORTH, RANGE 91 WEST



PROPOSED
12" PIPELINE

PLAN

SCALE: 1"=100'



PROFILE

SCALE: 1"=100' HORIZ.
1"=50' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2273973.44
Y=17556137.23

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 82ND AVE. NW (GRAVEL)
 AT STA. 0+33, ELEV. 2223.33'

REV.	DATE	BY	DESCRIPTION	CHK.
C	01/26/16	JTM	ISSUED FOR USE/PERMIT	TC
B	01/25/16	JTM	ISSUED FOR USE/PERMIT	TC
A	12/17/15	JTM	ISSUED FOR USE/PERMIT	TC



DAKOTA ACCESS, LLC

**PROPOSED 12" DAPL PIPELINE CROSSING
82ND AVE. NW**

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: MM	DATE: 12/23/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 12/23/15	ND-MT-008.900	C
SCALE: AS SHOWN	APP.: RC		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND-MT-008.900.dwg PLOT DATE: 1/26/2016 BY: MADAMBA, JOEY

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

ROBERT ROSE of DAKOTA ACCESS, LLC
Vice President, Land and Right of Way

having requested permission from Idaho Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed


Route 60 St. NW between Sections 32/5 Township 156/155 R 91W

Attach maps and construction plans

1. Utility Company agrees to pay Idaho Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Idaho Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
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Dated this 8th day of FEBRUARY 20 16.


Authorized agent
(713) 989-2864

Vice President, Land and Right of Way

Telephone

ND-MT-009.900
60 St. NW

DAKOTA ACCESS, LLC
Company name
1300 main St.
Mailing address
Houston, TX 77002
City, State & zip code

Idaho
Township

For Norrell Bower
Chairman

Cliff Hensel
CE/Exec

Please return permit to:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

ND-MT-009.900
60 St. NW

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 5 & 32, TOWNSHIP 155 & 156 NORTH, RANGE 91 WEST

ND-MT-008.000

NELSON HUBBARD PROPERTIES LLLP
AND CAROL J. GRISHAM TRUST

ND-MT-009.000

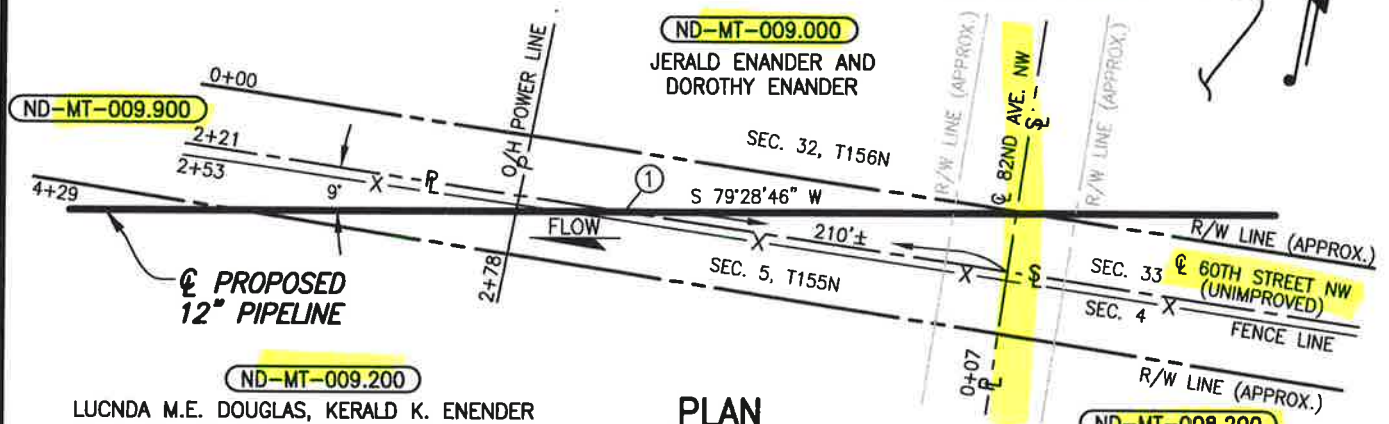
JERALD ENANDER AND
DOROTHY ENANDER

ND-MT-009.200

LUCNDA M.E. DOUGLAS, KERALD K. ENANDER
CHRISTINER R. JORGERSON, ROBIN E. OLSON
AND SHARON I. DUHE

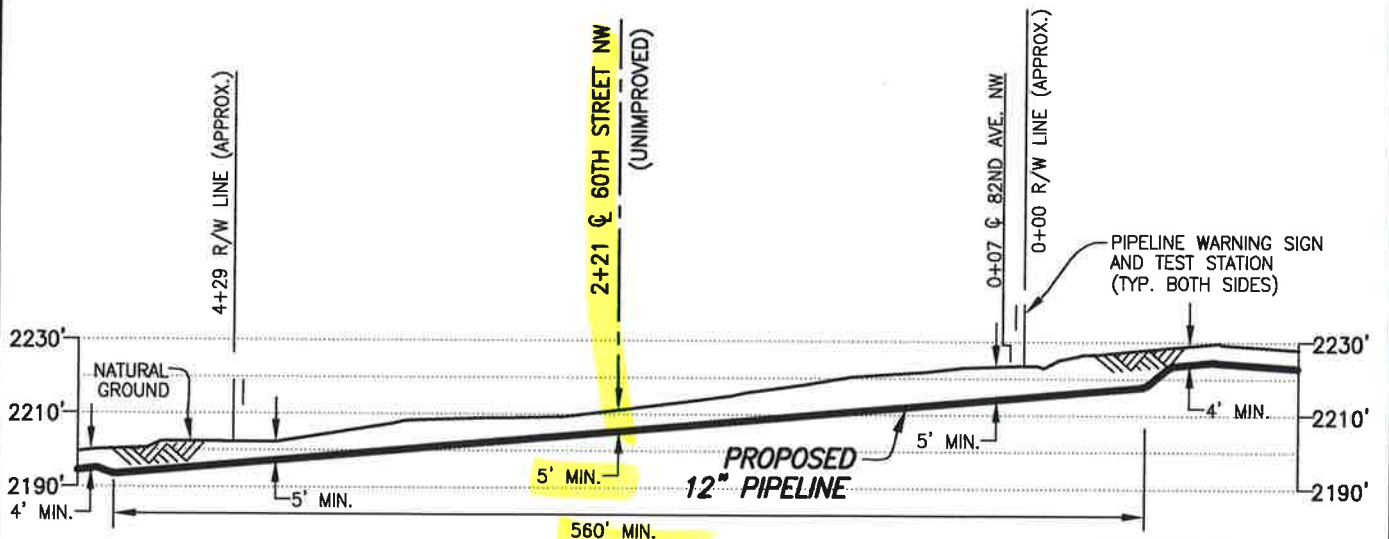
ND-MT-008.200

MILTON D. ENANDER



PLAN

SCALE: 1"=100'



PROFILE

SCALE: 1"=100' HORIZ.
1"=50' VERT.

① X=2273763.86
Y=17556098.31

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ϕ 60TH STREET NW (UNIMPROVED)
AT STA. 2+21, ELEV. 2221.12'

PIPE SPECIFICATIONS
PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/25/16	JTM	ISSUED FOR USE/PERMIT	RC
C	01/05/16	JTM	ISSUED FOR USE/PERMIT	RC
B	12/30/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/28/15	MM	ISSUED FOR USE/PERMIT	TC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 12" DAPL PIPELINE CROSSING
60TH STREET NW (UNIMPROVED)**

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: MM	DATE: 12/23/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 12/23/15	ND-MT-009.900	D
SCALE: AS SHOWN	APP.: RC		

FILE: \\mustangeng.com\gib\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND-MT-009.900.dwg PLOT DATE: 1/25/2016 BY: MUALLEM, MIKE

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Robert Rose of Dakota Access, LLC
Vice President, Land and Right of Way

having requested permission from _____ Idaho _____ Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route _____ between Sections 5/32 Township 155/156 R 91W
600 st. NW

Attach maps and construction plans

1. Utility Company agrees to pay _____ Idaho _____ Township _____ \$500 _____ per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall _____ Idaho _____ Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 8th day of FEBRUARY 20 16.

Vice President, Land and Right of Way

[Signature]
Authorized agent
(713) 989-2064
Telephone

ND-MT-009.200.900
60 St. NW

DAKOTA ACCESS, LLC
Company name
1300 main st.
Mailing address
Houston, Tx 77002
City, State & zip code

Idaho
Township

Mr Donald Hoover
Chairman

Curt Hornstad
Ch/Treas

Please return permit to:

Claire Cunningham
1100 Weiss Avenue

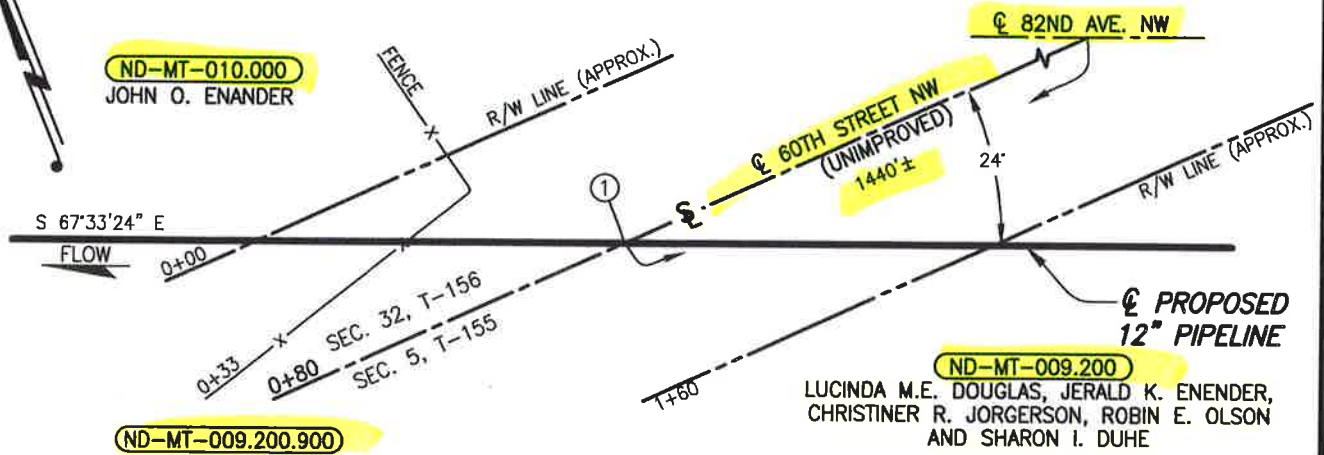
Bismarck, ND 58503

802.989.2489

ND-MT-009-200.900
600 St. NW

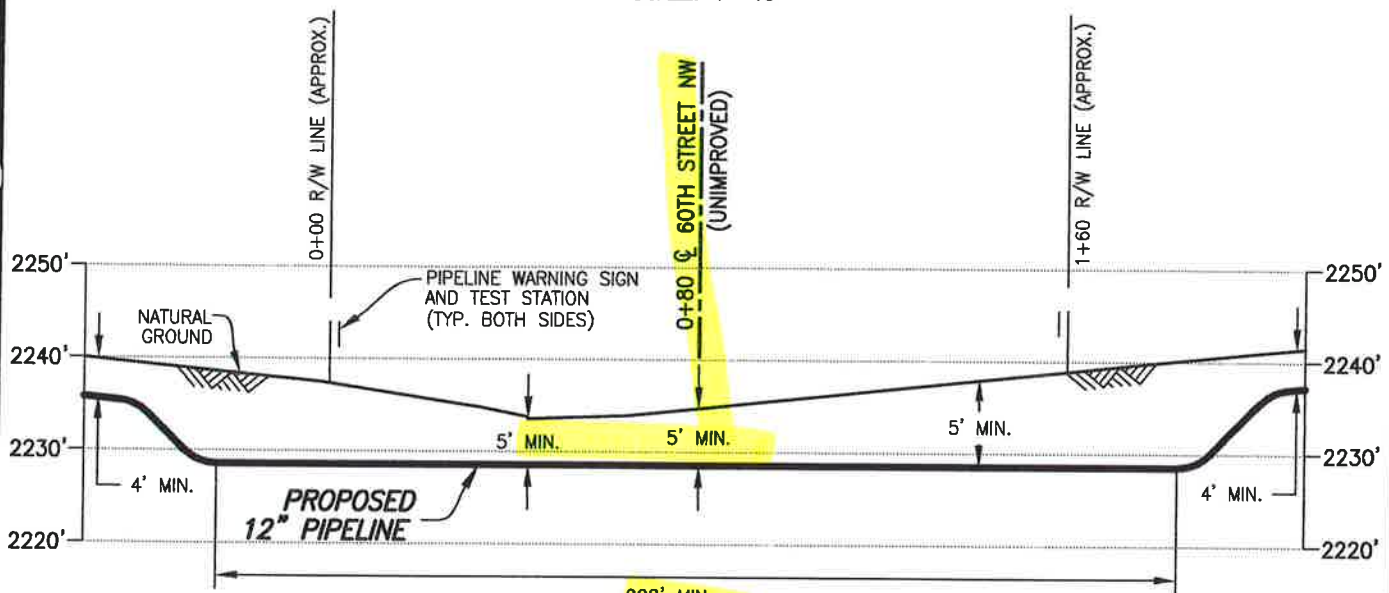
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 32 & 5, TOWNSHIPS 156 & 155 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: FBE W/ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 60TH STREET NW (UNIMPROVED) AT STA. 0+80, ELEV. 2234.68'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/05/16	JTM	ISSUED FOR USE/PERMIT	RC
A	12/28/15	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 12" DAPL PIPELINE CROSSING 60TH STREET NW (UNIMPROVED)

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 12/21/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 12/21/15	ND-MT-009.200.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\Proj\33957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND-19.200.900.dwg PLOT DATE: 1/5/2016 BY: MADAMBA, JOEY

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Robert R. E. of DAKOTA ACCESS, LLC
Vice President, Land and Right of Way

having requested permission from Idaho Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route 83 AVE. NW between Sections 32/31 Township 156N R91 W

Attach maps and construction plans

1. Utility Company agrees to pay Idaho Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Idaho Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 04 day of FEBRUARY 20 16.

[Signature]
Authorized agent

Vice President, Land and Right of Way

(713) 989-2064
Telephone

ND-MT-011.910
83 AVE. NW

DAKOTA ACCESS, LLC
Company name
1300 main st.
Mailing address
Houston, Tx 77002
City, State & zip code

Idaho
Township

For Donald Hoover
Chairman
Curt Hemsted
CEO/President

Please return permit to:

Claire Cunningham
1100 Weiss Avenue

Bismarck, ND 58503

802.989.2489

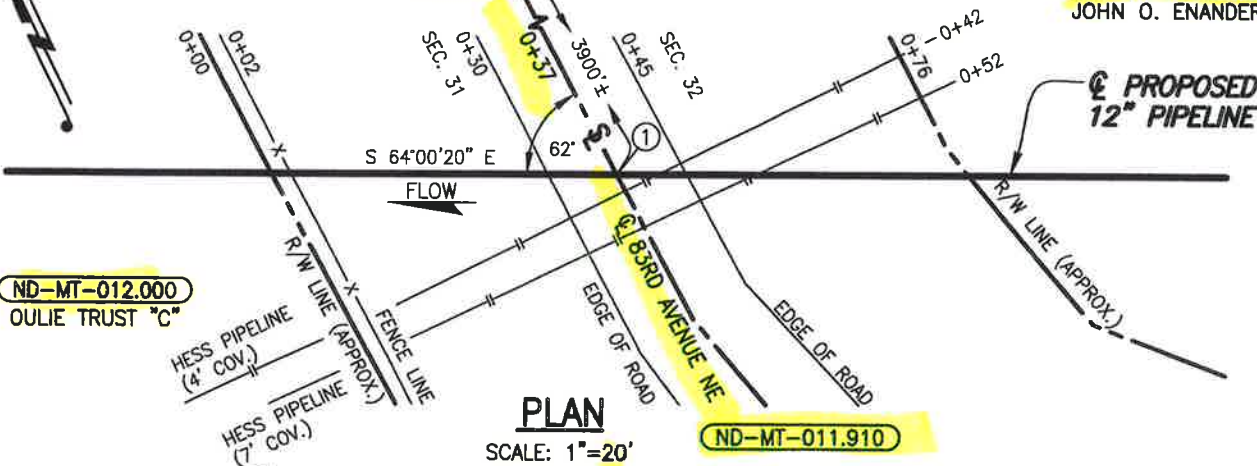
ND-MT-OU.910
83 Ave. NW

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 156 NORTH, RANGE 91 WEST

☉ 61ST STREET NW

ND-MT-011.000
JOHN O. ENANDER

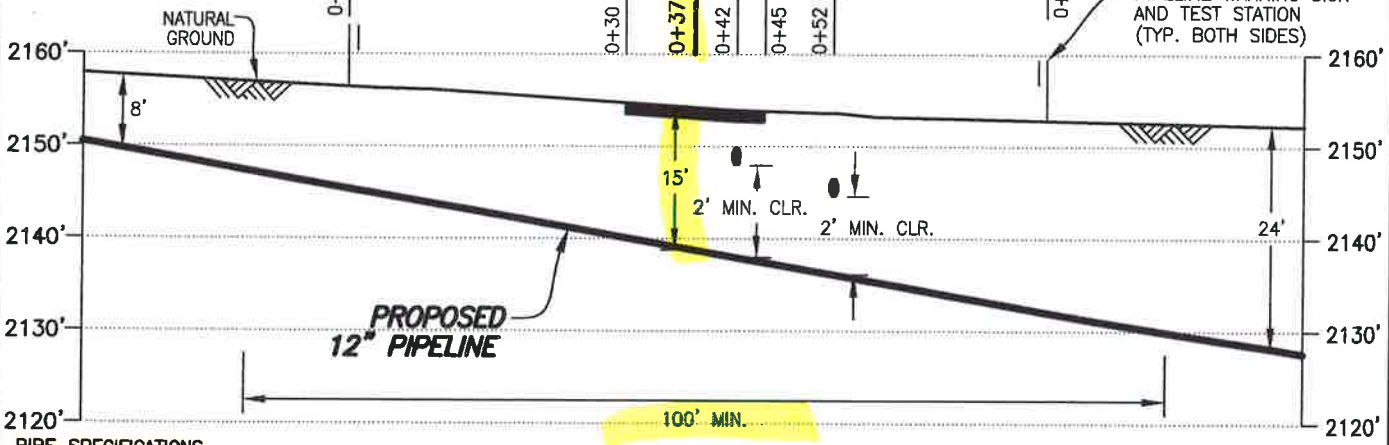


ND-MT-012.000
OULIE TRUST "C"

PLAN

SCALE: 1"=20'

ND-MT-011.910



PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: HDD
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

DATUM:
 ① X=2268638.44
 Y=17557290.56
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☉ 83RD AVENUE NE AT STA. 0+37, ELEV. 2154.20'

THIS DOCUMENT SUPERSEDES DOCUMENT NO. ND-MT-009.910

FILE: R:\Prof\03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND-11.910.dwg PLOT DATE: 12/30/2015 BY: HUMBERSON, JEREMY

REV.	DATE	BY	DESCRIPTION	CHK.
A	12/30/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 83RD AVENUE NE

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 12/21/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MT-011.910	A
SCALE: AS SHOWN	APP.:		

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

ROBERT ROSE of DAKOTA ACCESS, LLC

Vice President, Land and Right of Way
having requested permission from Idaho Township, apolitical sub-
division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route 84 AVE NW between Sections 31/36 Township 156N R 91/92W

Attach maps and construction plans

1. Utility Company agrees to pay Idaho Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Idaho Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 8th day of FEBRUARY 20 16.

[Signature]
Vice President, Land and Right of Way
Authorized agent
(713) 989-2864
Telephone

ND-MT-014.900
84 Ave NW

DAKOTA ACCESS, LLC
Company name

1300 main st.
Mailing address

Houston, TX 77002
City, State & zip code

Idaho
Township

for Donald Hoover
Chairman
Curtis Jensen
Clerk/Treas

Please return permit to:

Claire Cunningham
1100 Weiss Avenue

Bismarck, ND 58503

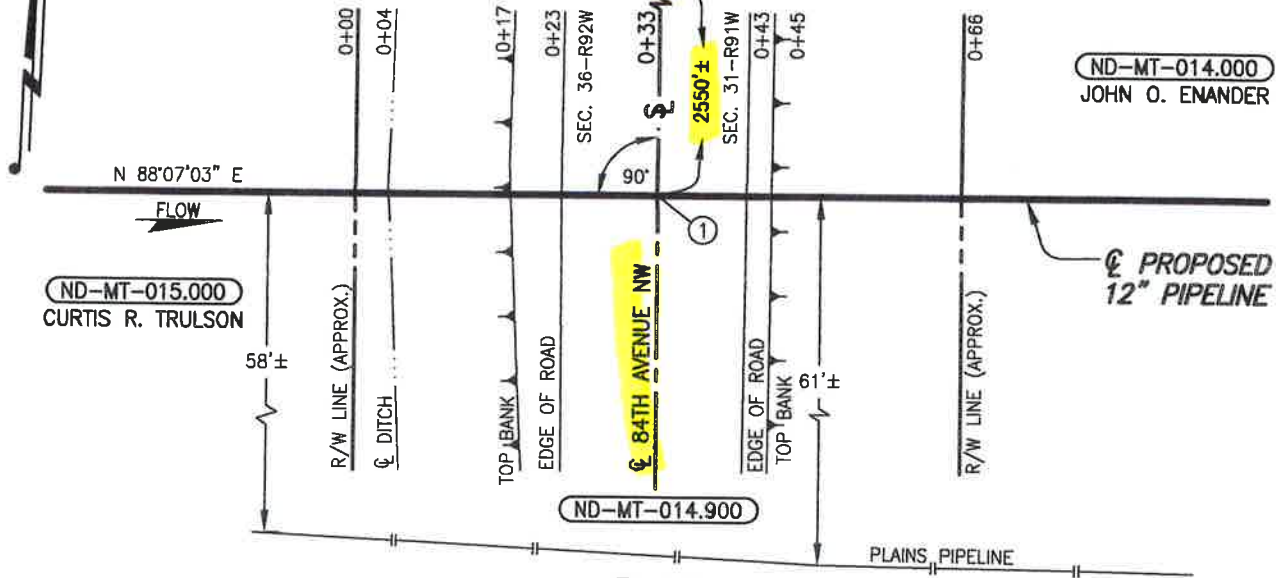
802.989.2489

ND-MT-014.900
84 Ave NW

MOUNTRAIL COUNTY, NORTH DAKOTA

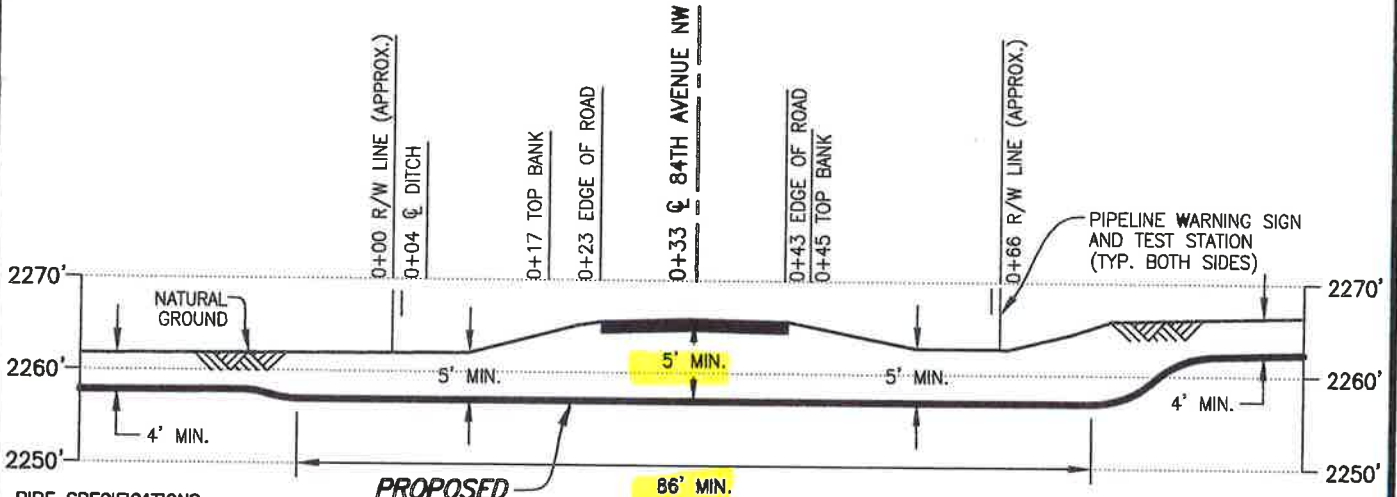
SECTIONS 31 & 36, TOWNSHIP 156 NORTH, RANGES 91 & 92 WEST

☐ 61ST STREET NW



PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 12" PIPELINE

PROFILE
 SCALE: 1"=20' HORIZ.
 1"=20' VERT.

① X=2263503.78
 Y=17558494.58
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☐ 84TH AVENUE NW AT STA. 0+33, ELEV. 2265.78'

FILE: R:\Pro. 03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND 14.900.dwg PLOT DATE: 12/18/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	12/17/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 12" DAPLE PIPELINE CROSSING 84TH AVENUE NW

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 12/17/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 12/17/15	ND-MT-014.900	A
SCALE: AS SHOWN	APP.: RC		

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of Dakota Access, LLC

having requested permission from Ross Township, a political subdivision of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
84 Ave NW	31/36	156W R 91/92W

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 2016.

Authorized agent

[Signature]
Vice President, Land and Right of Way

(713) 989-2864

Telephone

ND-MIT-014.900
84 Ave. NW

DAKOTA ACCESS, LLC
Company name
1300 MAIN ST.
Mailing address
HOUSTON, TX 77002
City, State & zip code

Ross
Township

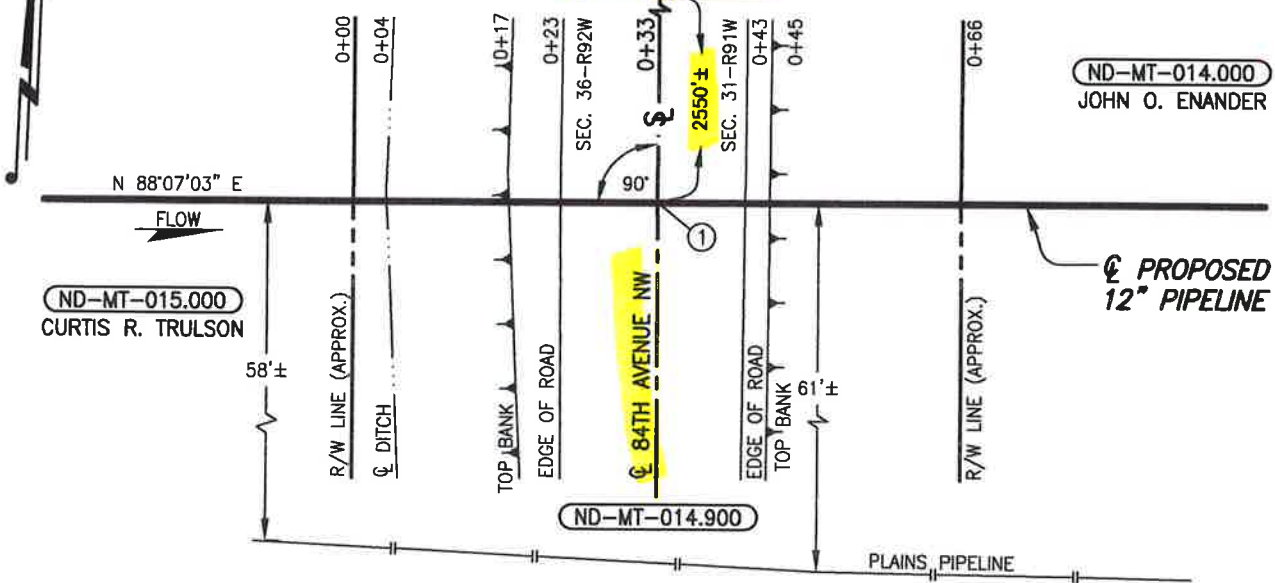
Mitchell Burs 2-9-2016
Chairman

Please return permit to:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

MOUNTRAIL COUNTY, NORTH DAKOTA

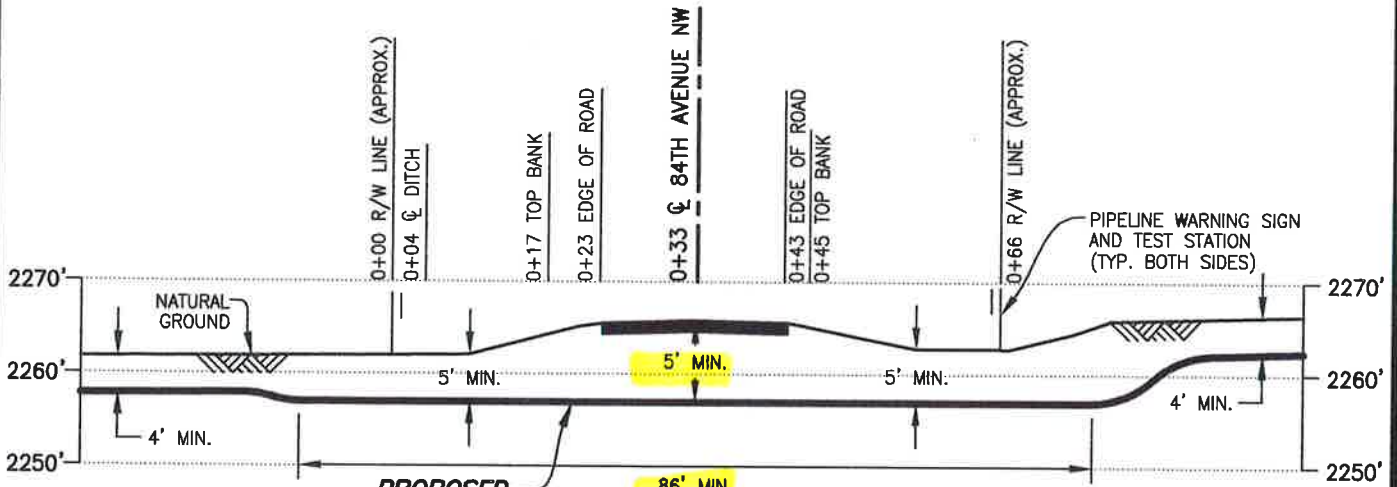
SECTIONS 31 & 36, TOWNSHIP 156 NORTH, RANGES 91 & 92 WEST

CL 61ST STREET NW



PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2263503.78
Y=17558494.58

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: CL 84TH AVENUE NW
 AT STA. 0+33, ELEV. 2265.78'

FILE: R:\Pro. 03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND 14.900.dwg PLOT DATE: 12/18/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	12/17/15	PRV	ISSUED FOR USE/PERMIT	RC



PROPOSED 12" DAPLE PIPELINE CROSSING 84TH AVENUE NW

PROJECT NO. 10395700		MOUNTRAIL COUNTY		NORTH DAKOTA	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C		DRAWN BY: PRV CHECKED BY: TC SCALE: AS SHOWN	DATE: 12/17/15 DATE: 12/17/15 APP.: RC	DWG. NO. ND-MT-014.900	REV. A

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Ross Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
61st NW	S-25+26	T-156N R-92W

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
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5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

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Dated this 28TH day of JANUARY 20 16.

[Signature]
 Authorized agent
(713) 989-2864
 Telephone

[Signature]
 Vice President, Land and Right of Way

ND-MT-016.522.900
61 st. NW

DAKOTA ACCESS, LLC

Company name

1100 WEISS AVENUE

Mailing address

Bismarck, ND 58503

City, State & zip code

Ross

Township

Mitchell Bures

2-9-2016

Chairman

Please return permit to:

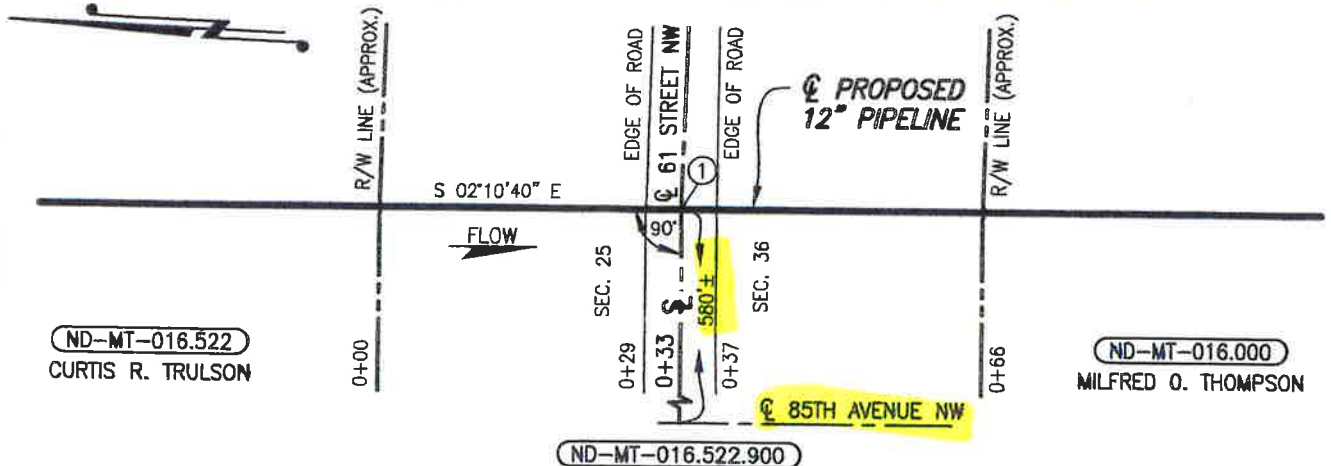
Claire Cunningham
1100 Weiss Avenue

Bismarck, ND 58503

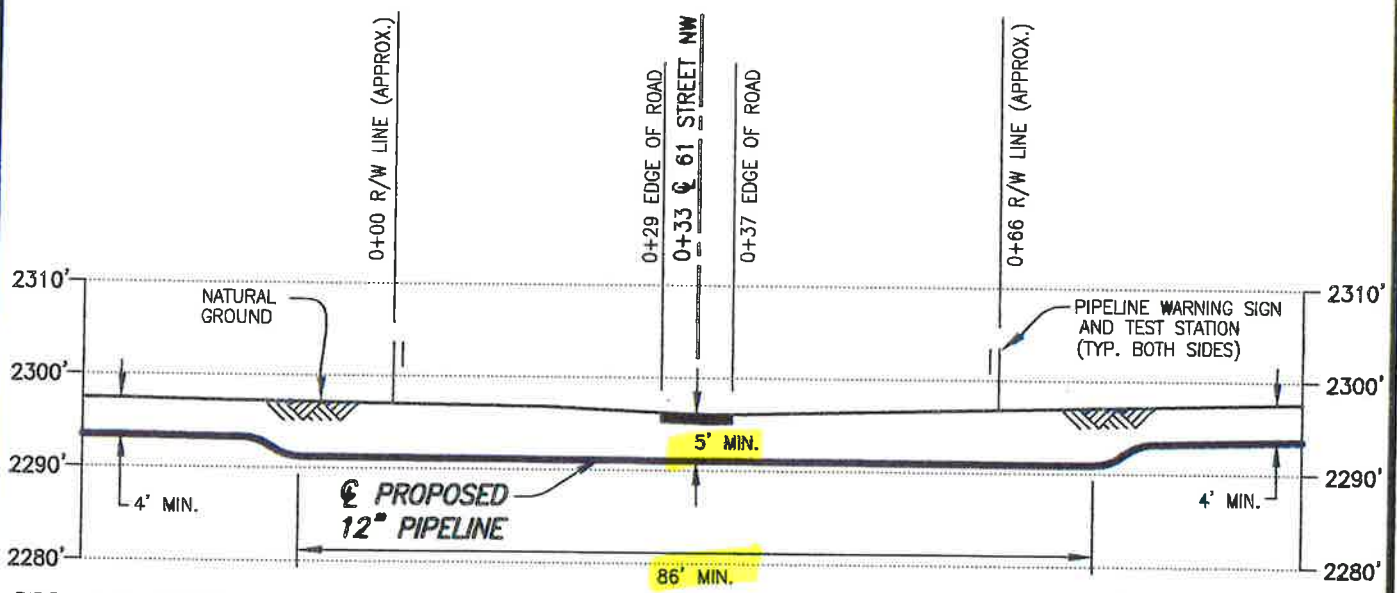
802.989.2489

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 25 & 36, TOWNSHIP 156 NORTH, RANGE 92 WEST



PLAN
SCALE: 1"=20'



PROFILE
SCALE: 1"=20' HORIZ.
1"=20' VERT.

① X=2258723.93
Y=17560884.40

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 61ST STREET NW AT STA. 0+33, ELEV. 2296.06'

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 12" DAPL PIPELINE CROSSING
61ST STREET NW**

MOUNTRAIL COUNTY NORTH DAKOTA

DRAWN BY: PM	DATE: 02/17/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MT-016.522.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-IT-016.522.900.dwg PLOT DATE: 8/27/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Ross Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

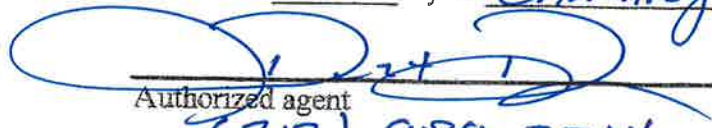
Route	between Sections	Township	
85 AVE NW	S-35+36	T-156N	R92W

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.



Vice President, Land and Right of Way

Authorized agent
(713) 989-2864

Telephone

ND-MT-017.900
85 AVE NW

DAKOTA ACCESS, LLC
Company name
1100 WEISS AVE
Mailing address
Bismarck, ND 58503
City, State & zip code
Ross
Township

Mitchell Bures 2-9-2016
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 35 & 36, TOWNSHIP 156 NORTH, RANGE 92 WEST

☉ 81ST STREET NW

ND-MT-017.000
SEVERSON FAMILY TRUST

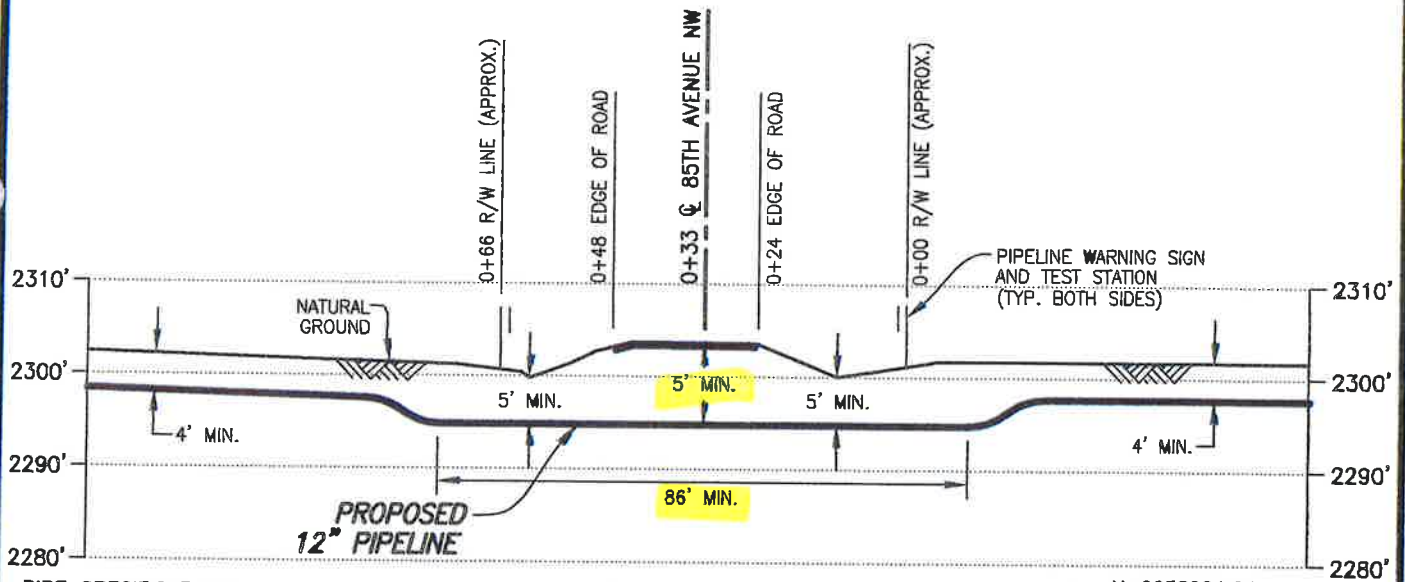
ND-MT-016.000
MILFRED O. THOMPSON



ND-MT-017.900

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2258224.04
Y=17558544.85

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ☉ 85TH AVENUE NW
AT STA. 0+33, ELEV. 2303.63'

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	PRV	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 85TH AVENUE NW

PROJECT NO. 10395700

MOUNTRAIL COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PM

DATE: 11/24/14

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-MT-017.900

C

SCALE: AS SHOWN

APP.:

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PE

AT-017.900.dwg PLOT DATE: 8/27/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS LLC

having requested permission from Ross Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
86 AVE NW	S-34+35	T156N R92W

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.

[Signature] Vice President, Land and Right of Way

Authorized agent [Signature]

Telephone (713) 989-2864

ND-MT-019.900
86 AVE NW

Dakota Access, LLC

Company name

1100 Weiss Avenue

Mailing address

Bismarck, ND 58503

City, State & zip code

Ross

Township

Mitchell Bures

2-9-2016

Chairman

Please Return Permit To:

Claire Cunningham

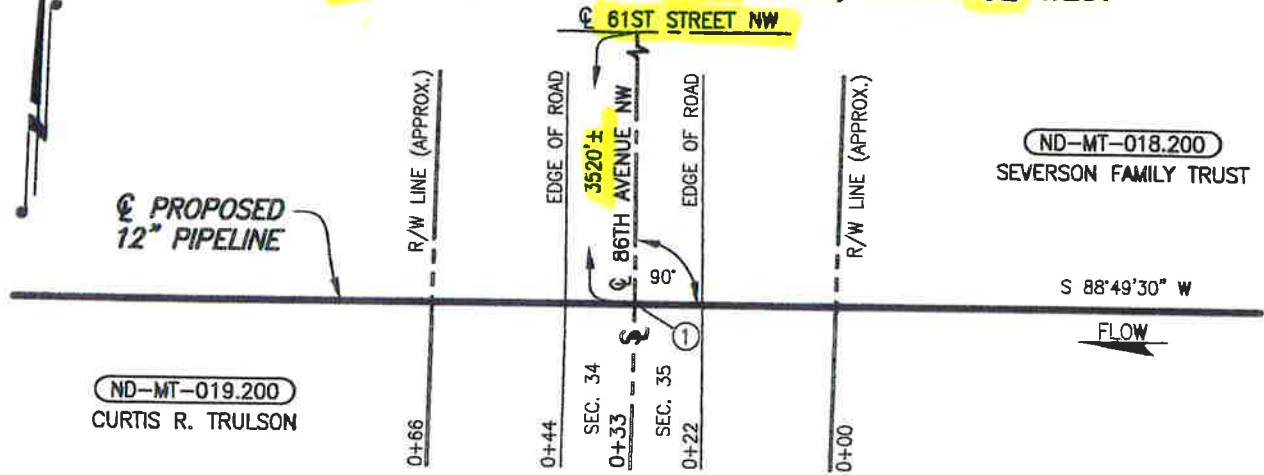
1100 Weiss Avenue

Bismarck, ND 58503

802.989.2489

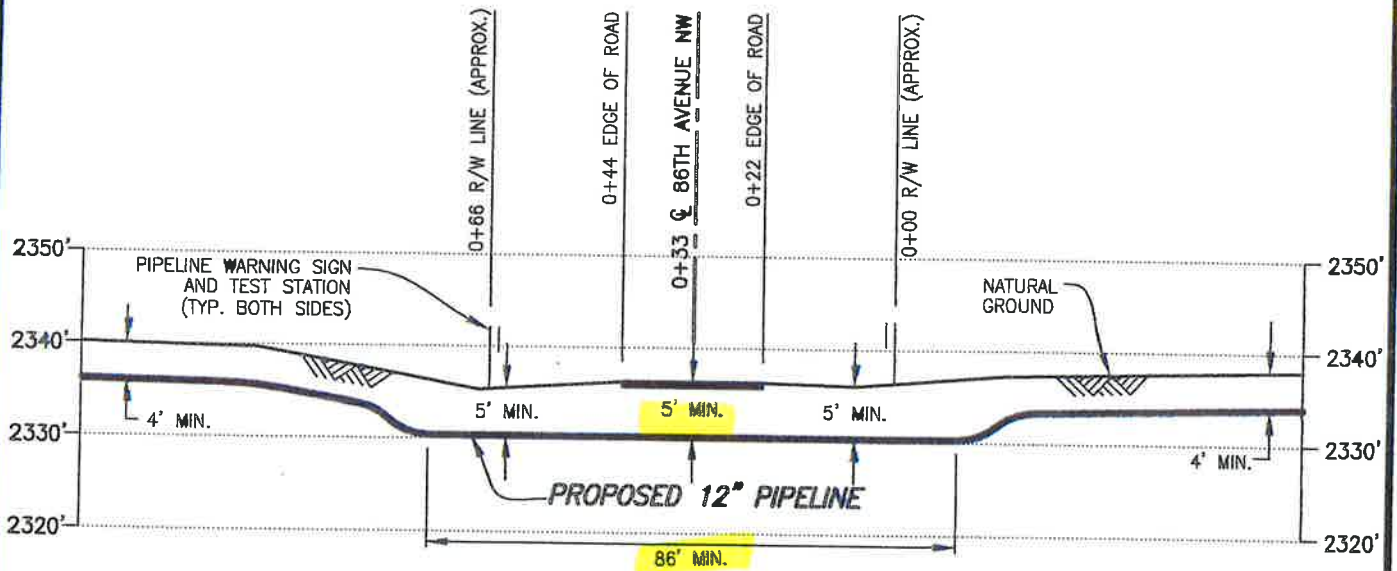
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 34 & 35, TOWNSHIP 156 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2252985.05
Y=17557174.69

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: EDGE OF ROAD 86TH AVENUE NW AT STA. 0+22, ELEV. 2336.32'

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	CHA	ISSUED FOR REVIEW	



PROPOSED 12" DAPL PIPELINE CROSSING 86TH AVENUE NW

PROJECT NO. **10395700**

MOUNTRAIL COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: OP	DATE: 12/10/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MT-019.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PI MT-019.900.dwg PLOT DATE: 8/27/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Ross Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
87 AVE NW	S-33+34	T-156N. R29W

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.

[Signature]
 Vice President, Land and Right of Way

Authorized agent [Signature]

Telephone (713) 989-2864

ND-MT-021900
87 AVE NW

Dakota Access, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND 58503
City, State & zip code
Ross
Township

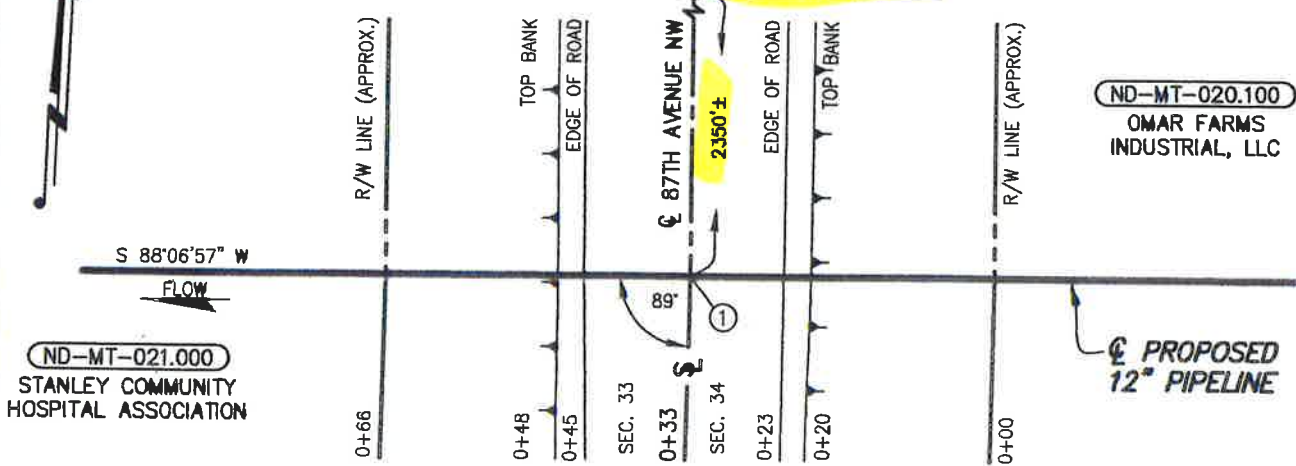
Mitchell Bures 2-9-2016
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 33 & 34 TOWNSHIP 156 NORTH, RANGE 92 WEST

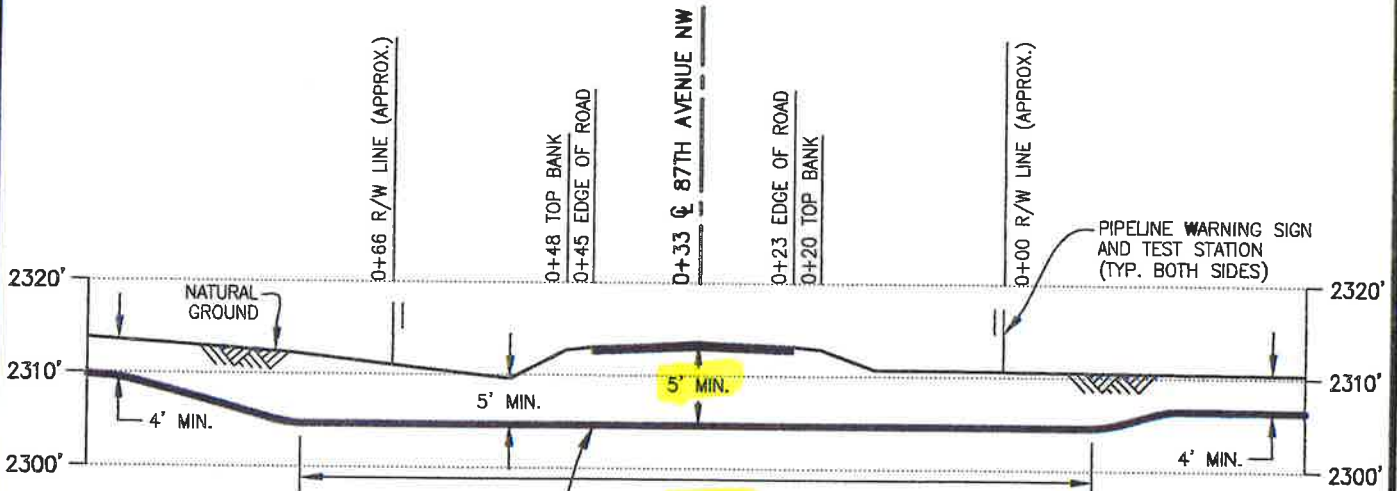
☉ 61ST STREET NW



ND-MT-021.900

PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 12" PIPELINE

PROFILE

SCALE: 1"=20' HORIZ.
 1"=20' VERT.

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☉ 87TH AVENUE NW AT STA. 0+33, ELEV. 2313.56'

T-021.900.dwg PLOT DATE: 8/27/2015 BY: VILLARREAL, PHIL

S:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-

FILE: R.V.

REV.	DATE	BY	DESCRIPTION	RC	CHK.
A	08/21/15	PRV	ISSUED FOR USE/PERMIT		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 87TH AVENUE NW

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 04/30/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MT-021.900	A
SCALE: AS SHOWN	APP.:		

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of Dakota Access, LLC

having requested permission from Ross Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed


Route	between Sections	Township
<u>88 AVE NW</u>	<u>S-32+33</u>	<u>T 156 N R-92W</u>

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.



 Authorized agent
(713) 989-2864

Vice President, Land and Right of Way

DMH

Telephone

ND-MT-024900
88 Ave. NW

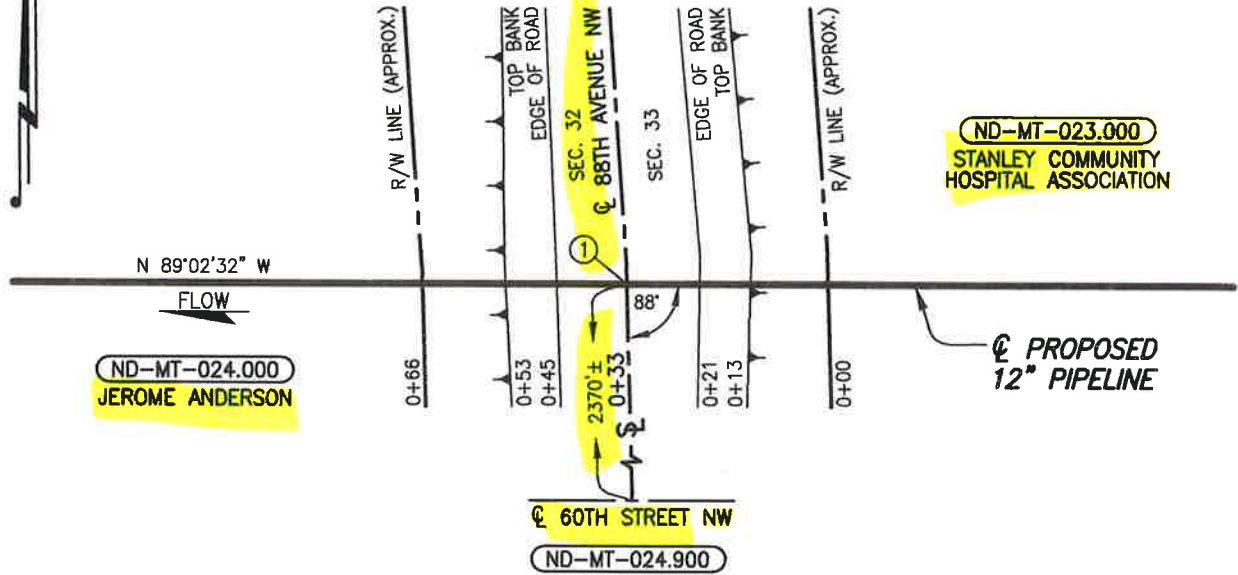
Dakota Access, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND 58503
City, State & zip code
Ross
Township

Mitchell Bures 2-9-2016
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

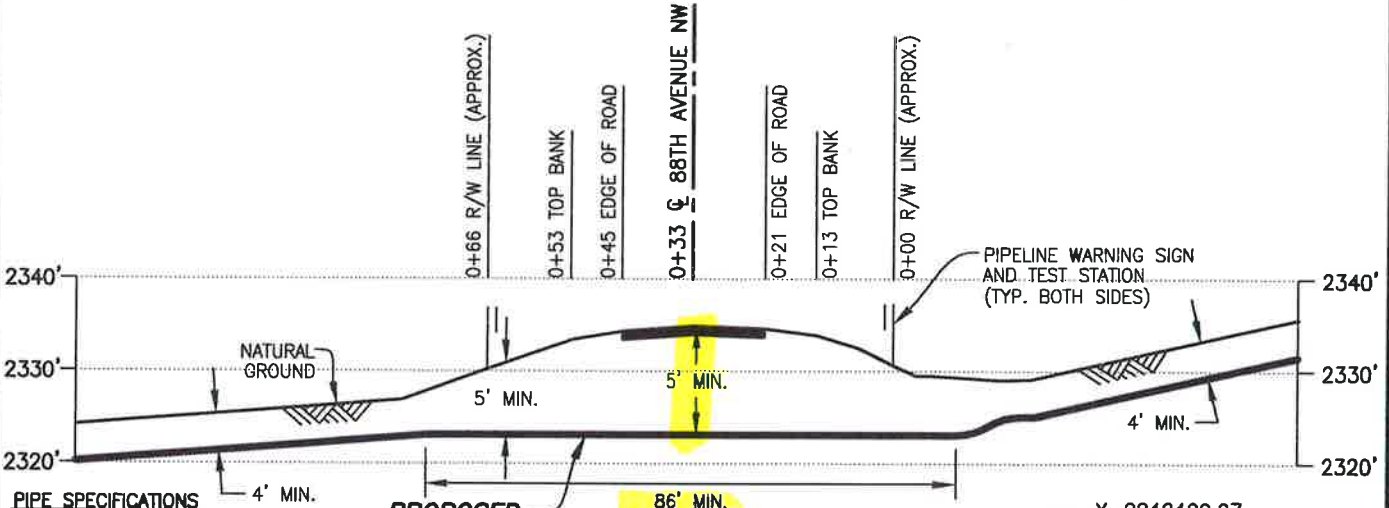
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 32 & 33, TOWNSHIP 156 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2242409.97
 Y=17557453.56
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 88TH AVENUE NW
 AT STA. 0+33, ELEV. 2334.85'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/14/15	PRV	ISSUED FOR USE/PERMIT	RC
B	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/30/15	JTM	ISSUED FOR USE/PERMIT	PA



PROPOSED 12" DAPL PIPELINE CROSSING 88TH AVENUE NW

PROJECT NO. 10395700		MOUNTRAIL COUNTY		NORTH DAKOTA	
 WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C	DRAWN BY: RG	DATE: 03/10/15	DWG. NO.	REV.	
	CHECKED BY: PA	DATE: 03/13/15	ND-MT-024.900		C
	SCALE: AS SHOWN	APP.:			

FILE: R:\Proj\03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND 24.900.dwg PLOT DATE: 12/14/2015 BY: MADAMBA, JOEY

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

_____ of Dakota Access, LLC

having requested permission from Ross Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
<u>89 Ave NW</u>	<u>S-32+31</u>	<u>T-156N R-92W</u>

Attach maps and construction plans

1. Utility Company agrees to pay Ross Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Ross Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 2016.

Authorized agent

(713) 989-2864

Telephone

Vice President, Land and Right of Way

ND-MT-028.900
89 Ave NW

DAKOTA Access, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND 58503
City, State & zip code
Ross
Township

Mitchell Bures 2-9-2016
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

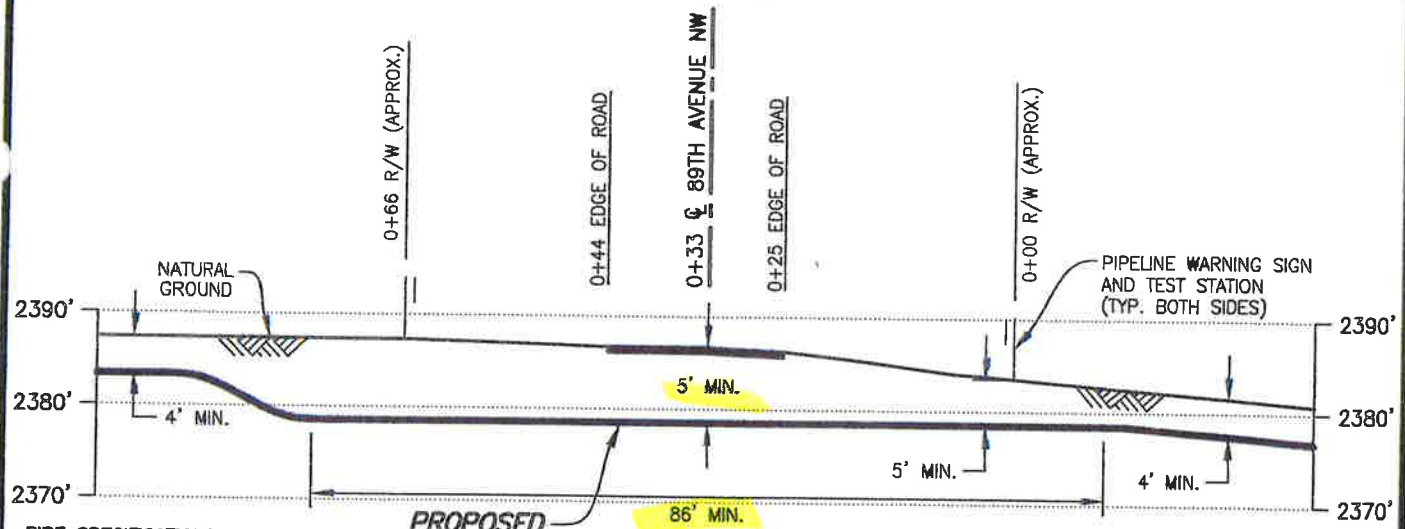
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 32 & 31, TOWNSHIP 156 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2237121.49
Y=17557596.53

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 89TH AVENUE NW
 AT STA. 0+33, ELEV. 2386.70'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING

89TH AVENUE NW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/24/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/27/15	ND-MT-028.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PI MT-028.900.dwg PLOT DATE: 3/30/2015 BY: VILLARREAL, PHIL



Permit# 307

**CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

DAKOTA ACCESS, LLC of 1300 MAIN STREET, Houston, TX 77002
(Company) (Address)

hereinafter referred to as "utility company", having requested permission from Mountrail County, a political subdivision of the State of North Dakota, to cross an existing road or section line with a buried transmission facility designed to carry or conduct oil, gas, water, electricity, telephone, or any other substance or service whatsoever, and Mountrail County having considered the request does grant consent to cross the following described existing road or section line, upon the terms and conditions herein stated:

(Please include 911 Route #)

Route CR #5 in Section(s) 31/36, Township 156 N, Range 92/93 W
910th ave Debing / Abger

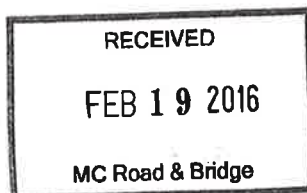
(Attach maps and construction plans) check 1427

At a minimum, acceptable plans will include method of crossing existing roads or section lines and size and material used for the buried facility.

CHECK TYPE OF MATERIAL: WATER OIL GAS OTHER _____

Consent to cross such existing road or section line is granted on these terms and conditions:

1. Pay a fee \$200.00 per crossing to Mountrail County; due at time of submittal.
2. Utility company must pay for all damage to the existing road caused by its activities, including but not limited to slumping in of trenches and collapse of pipe.
3. Utility company is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in crossing any existing road or section line in Mountrail County. Furthermore, utility company agrees to indemnify and hold harmless Mountrail County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against Mountrail County on account of the activities conducted by the utility company in crossing any existing road or section line.
4. When the utility company crosses an existing road or a section line, the utility company shall be responsible to pay for all costs of moving, relocating, or reconstructing the buried transmission facility should Mountrail County deem it necessary or advisable, in its sole discretion, to repair or reconstruct existing roads or to build new roads on section lines or off section lines as allowed by North Dakota law. Should the utility company fail to take necessary steps to relocate or reconstruct its buried transmission facility, the County may take steps to have the same accomplished, and the utility company agrees to reimburse the County for all expenses incurred by Mountrail County in moving, relocating or reconstructing the buried transmission facility so the existing roads



ND-MT-030.900
CR #5



Permit# 307

CONSENT FOR UTILITY COMPANY TO CROSS A PUBLIC ROAD OR SECTION ROAD

may be repaired or reconstructed, or new roads may be built on the section line or off the section line as allowed by North Dakota law.

5. The buried transmission facility to be installed by the utility company in crossing any existing road shall at a minimum comply with the following engineering standards:
 - (a) No associated work shall commence prior to obtaining this permit.
 - (b) No open cut trenching of County Roads unless otherwise approved.
 - (c) County paved roads or County roads treated with road stabilization materials may only be bored.
 - (d) All crossings of existing roads not trenched as in Section 5 below shall be bored to a depth of five (5) feet below original ground or ditch elevations.
 - (e) Pipe shall be cased or heavy wall pipe used.
 - (f) All parallel borings must be a minimum of 75-80 feet from road centerline.
 - (g) Vent pipes must be outside existing right-of-way lines or 75-80 feet from road center, whichever is greater.
 - (h) All disturbed ground within right-of-way must be rehabilitated by covering with black dirt and seeding with an approved mix.
 - (i) If vent pipes are not used within the (10) feet of both sides of right-of-way, the transmission facility must have markers outside of the right-of-way line or 80 foot line, whichever is greater, on both sides of the road.
 - (j) The Company's plan to bury a transmission facility filed with the County Auditor must show at a minimum, in plain view and cross sectional view, the location of the crossing from a section or quarter line; section, township and range the crossing is located in; the location of vent pipes, if any, in proximity to the crossing; and the angle of crossing.
 - (k) The Company's plan must be submitted to the County Auditor for review prior to consideration by the Board of Commissioners. Plans must be available for consideration by the Board at least two (2) weeks prior to the commencement of the project.

6. When permission is specifically granted by the Commission of Mountrail County for a crossing to be trenched or plowed, the trenching or plowing may be no more than eight (8) inches in width. The Company will apply surfacing materials and pack the site, returning it as close as possible to the original compaction. The Company will be responsible for all such crossings for a period of three (3) years, repairing during those three (3) years any damages to the road resulting from their activity. Any crossing which cannot be accomplished with this method must be bored.

7. Utility company must comply with all terms and conditions stated herein, with particular attention to the minimum engineering standards. Failure to comply with this **CONDITIONAL CONSENT** shall cause the consent to be rescinded and utility company must remove facility from right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the buried transmission facility from right-of-way for non-compliance and reimbursement will be made to the County by utility company for doing the same.

ND-MT-030.900
CR #5



Permit# 307

**CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated herein.

Dated this 28TH day of JANUARY 2016.

Robert Rose Vice President, Land and Right of way
Authorized Agent of Utility Company - name and signature
(713) 989-2864 and ROBERT.ROSE@ENERGYTRANSFER.COM
Telephone Number and Email address

Please return a copy of the signed permit to:
Claire Cunningham
Company or Agent Name
1100 Weiss Avenue
Mailing Address
Bismarck, ND 58503 (800) 989-2489
City, State & Zip Code

FOR COUNTY USE:
Reviewed by Mountrail County Road Engineer 26th day February, 2016
Jana Heberlein
Signature, County Road Engineer

Permission granted by Mountrail County, a political subdivision of the State of North Dakota, for installation of the buried transmission facility proposed above under existing roads and section lines as stated above pursuant to the conditions and limitations stated this 15th day of March 2016.

Arlo Bolund
Chairman of the Board
Mountrail County Board of County Commissioners

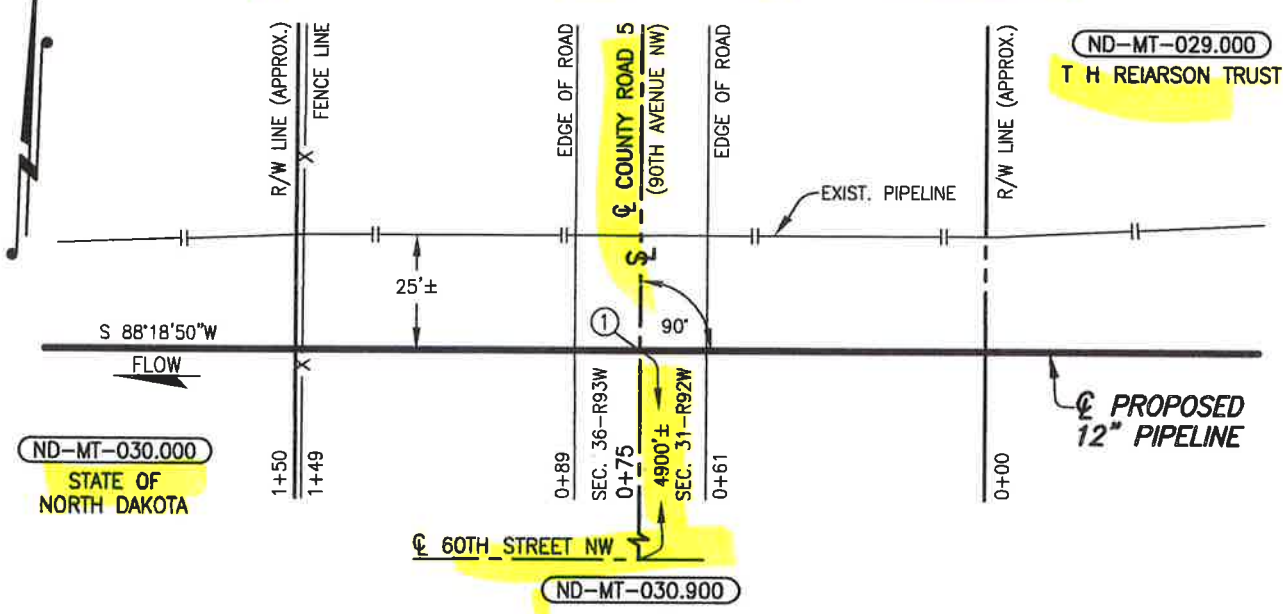
PERMIT IS VALID FOR ONE YEAR FROM DATE OF ISSUE

ND-MT-0309100
CR#5

307

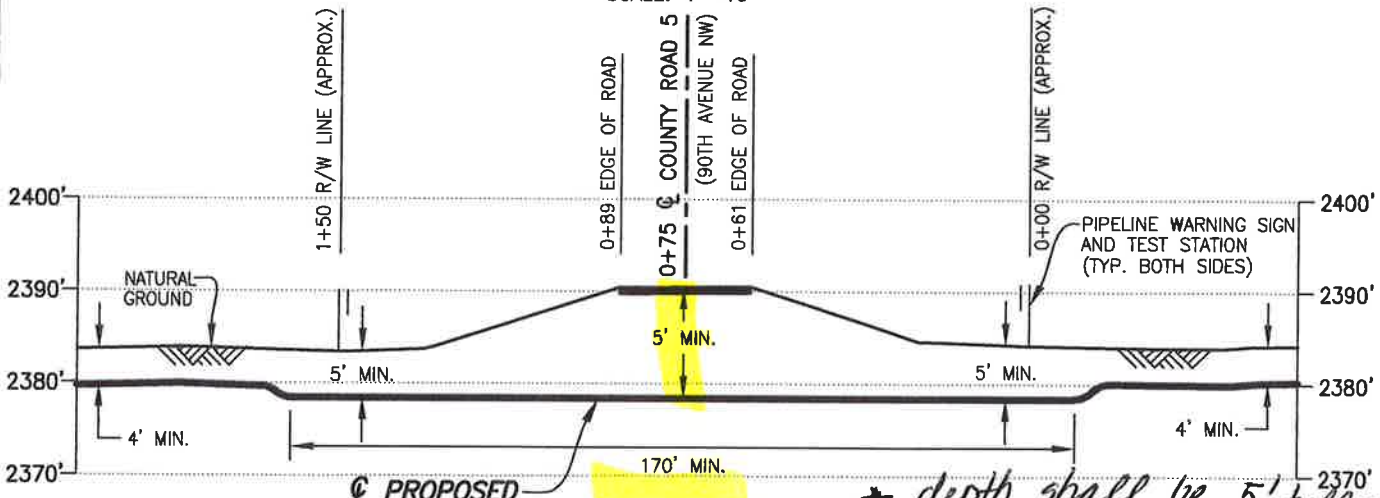
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 31 & 36, TOWNSHIP 156 NORTH, RANGES 92 & 93 WEST



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

** depth shall be 5' below ditch elevation (min)*

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: COUNTY ROAD 5 (90TH AVENUE NW) AT STA. 0+75, ELEV. 2390.39'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/14/15	PRV	ISSUED FOR USE/PERMIT	RC
B	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF
A	12/22/14	CHA	ISSUED FOR REVIEW	



PROPOSED 12" DAPL PIPELINE CROSSING COUNTY ROAD 5 (90TH AVENUE NW)

PROJECT NO. 10395700		MOUNTRAIL COUNTY NORTH DAKOTA	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C	DRAWN BY: JTM	DATE: 11/04/14	DWG. NO. ND-MT-030.900
	CHECKED BY: RC	DATE: 03/02/15	REV. C
	SCALE: AS SHOWN	APP.:	

FILE: R:\Proj\3957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957--PB--ND-0.900.dwg PLOT DATE: 12/14/2015 BY: MADAMBA, JOEY

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, a political subdivision of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township	
<u>Q1 ST AVE NW</u>	<u>S-35+36</u>	<u>T-156N</u>	<u>R-93W</u>

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shall be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 2016.

[Signature]
Authorized agent

Vice President, Land and Right of Way

(713) 989-2864
Telephone

DMH

ND-MT-031.900
Q1 AVE NW

Dalcota Access, LLC
Company name

1100 Weiss Avenue
Mailing address

Bismarck, ND 58503
City, State & zip code

Manitou
Township

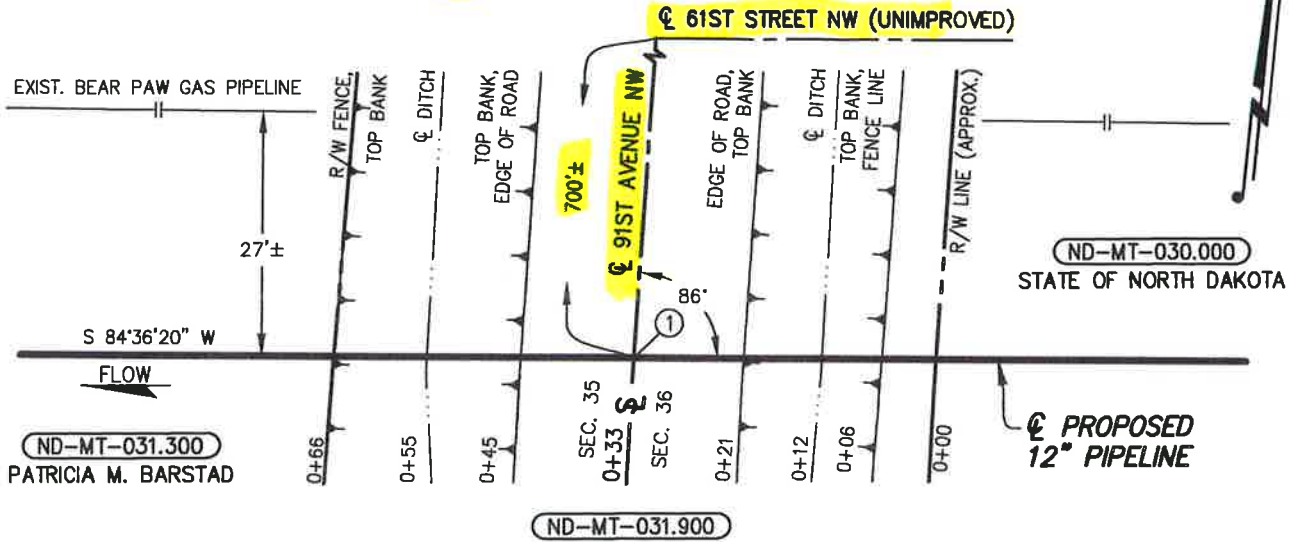
Roger L. Evans
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802-989-2489

ND-MT-031900
91 Ave NW

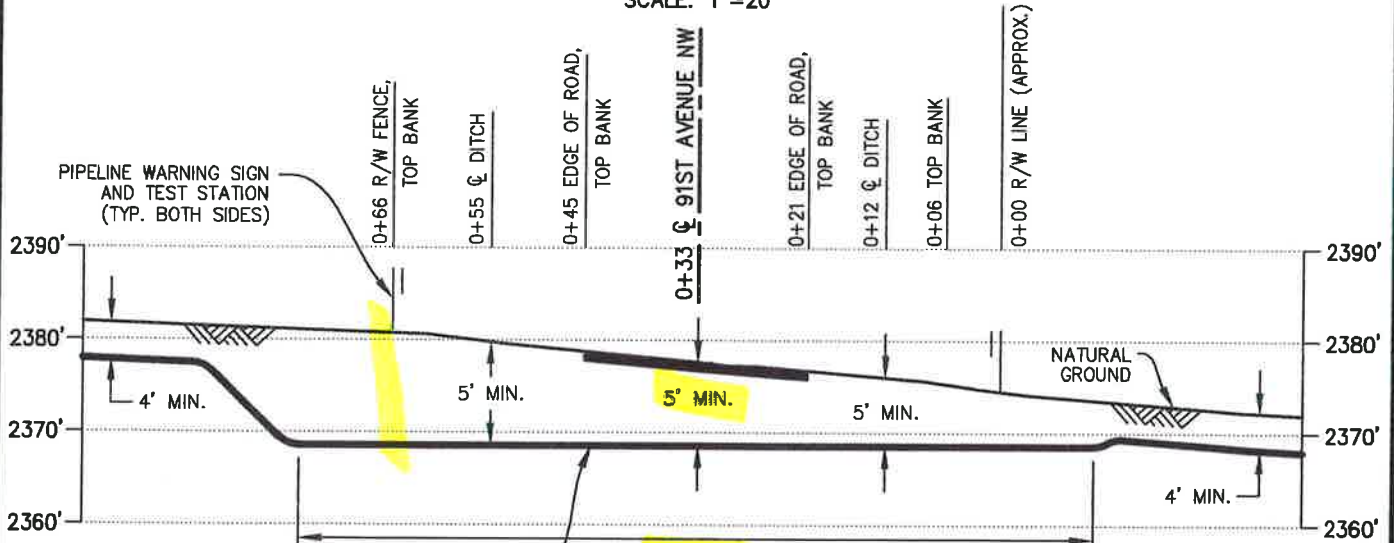
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 35 & 36, TOWNSHIP 156 NORTH, RANGE 93 WEST



PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2226634.92
Y=17559188.14

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: Q 91ST AVENUE NW
 AT STA. 0+33, ELEV. 2377.60'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/15/15	JTM	ISSUED FOR USE/PERMIT	RC
B	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	OP	ISSUED FOR USE/PERMIT	RC



PROPOSED 12" DAPL PIPELINE CROSSING 91ST AVENUE NW

PROJECT NO. 10395700

MOUNTRAIL COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: OP	DATE: 12/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MT-031.900	C
SCALE: AS SHOWN	APP.: RC		

31.900.dwg PLOT DATE: 12/18/2015 BY: VILLARREAL, PHIL

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND

FILE: R:\Pro

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, a political subdivision of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
92 AVE NW	S-34+35	T-156W R-93W

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
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Dated this 28th day of JANUARY 20 16.

[Signature]
Authorized agent

[Signature]
Vice President, Land and Right of Way

(713) 989-2864
Telephone

[Signature]

ND-MT-034.900
92 AVE NW

Dakota Access, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND 58503
City, State & zip code
Manitou
Township

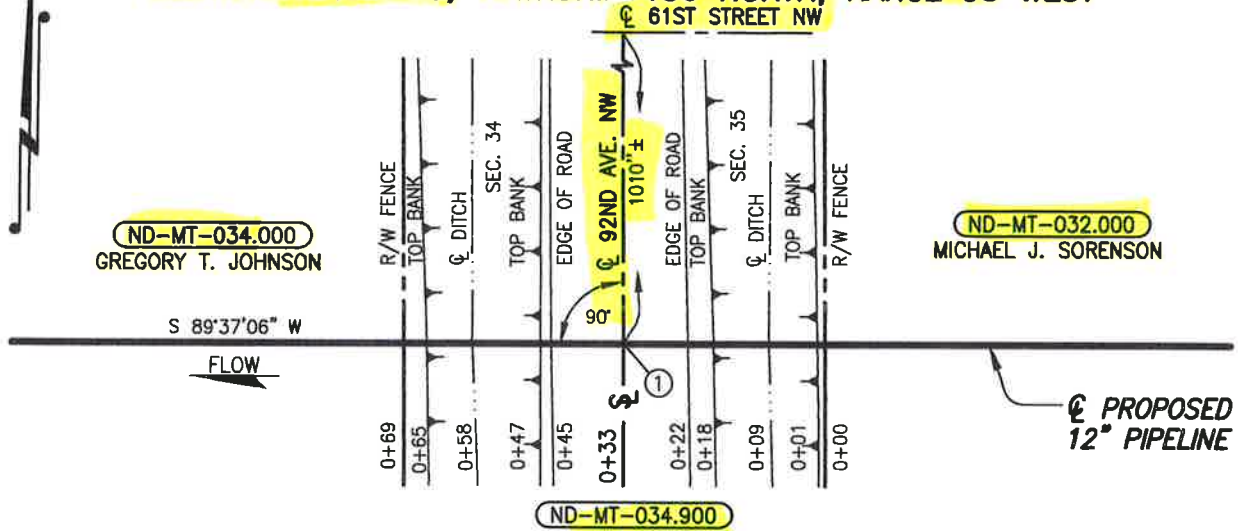
Roger E. Evans
Chairman

Please Return Permit to:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802-989-2489

ND-MT-034.90C
92 AVE NW

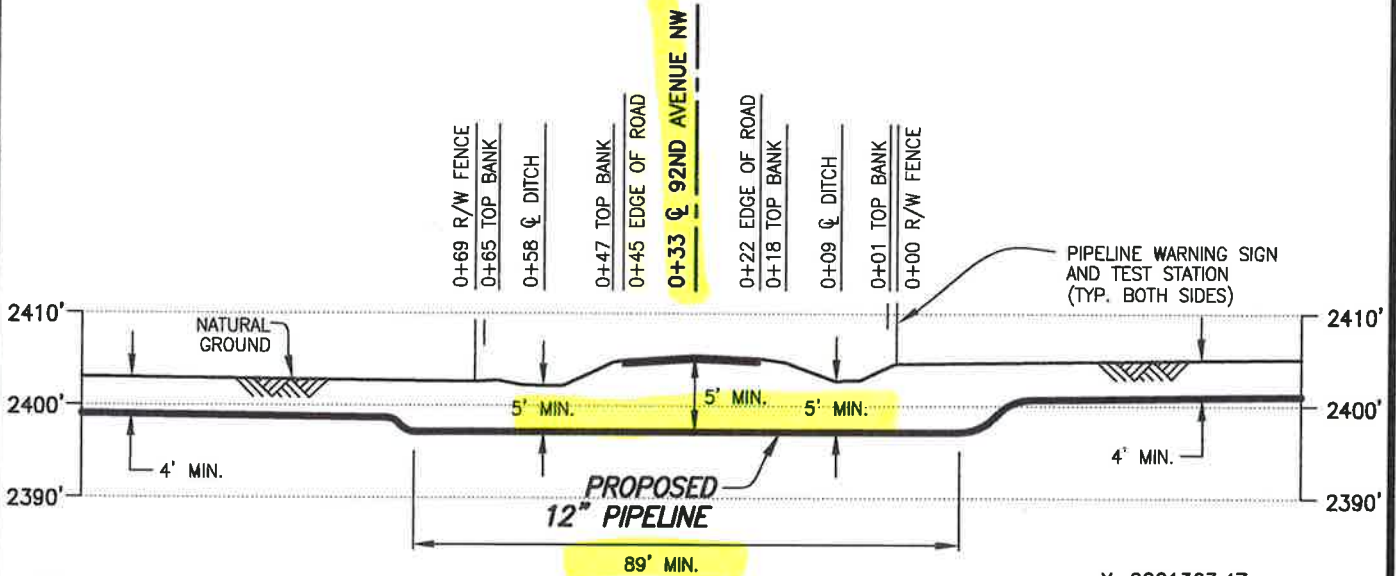
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 34 & 35, TOWNSHIP 156 NORTH, RANGE 93 WEST



PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=2221363.47
 Y=17558736.29

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 92ND AVENUE NW
 AT STA. 0+33, ELEV. 2405.42'

D	12/14/15	PRV	ISSUED FOR USE/PERMIT	RC
C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	CHA	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 92ND AVENUE NW

PROJECT NO. 10395700		MOUNTRAIL COUNTY		NORTH DAKOTA	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C		DRAWN BY: CHA	DATE: 11/21/14	DWG. NO.	REV.
		CHECKED BY: RC	DATE: 03/02/15	ND-MT-034.900	D
		SCALE: AS SHOWN	APP.:		

4.900.dwg PLOT DATE: 12/14/2015 BY: MADAMBA, JOEY

J3957.DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND-

FILE: R:\Proj

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of DAKOTA Access, LLC

having requested permission from Manitou Township, a political subdivision of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township	
93 AVE NW	S-33+34	T-156N	R-93W

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they hereby agree to reimburse the Township for all expenses incurred in reconstructing the buried facility.
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Dated this 28TH day of JANUARY 20 16.

[Signature]
Vice President, Land and Right of Way

Authorized agent

(713) 989-2864
Telephone

AMA

ND-MT-036.900
93 Ave. NW

DAKOTA Access, LLC

Company name

1100 Weiss Avenue

Mailing address

Bismarck, ND 58503

City, State & zip code

Manitou

Township

Roger E. Evers

Chairman

Please Return Permit To:

Claire Cunningham

1100 Weiss Avenue

Bismarck, ND 58503

802.989.2489

ND-MT-036.900

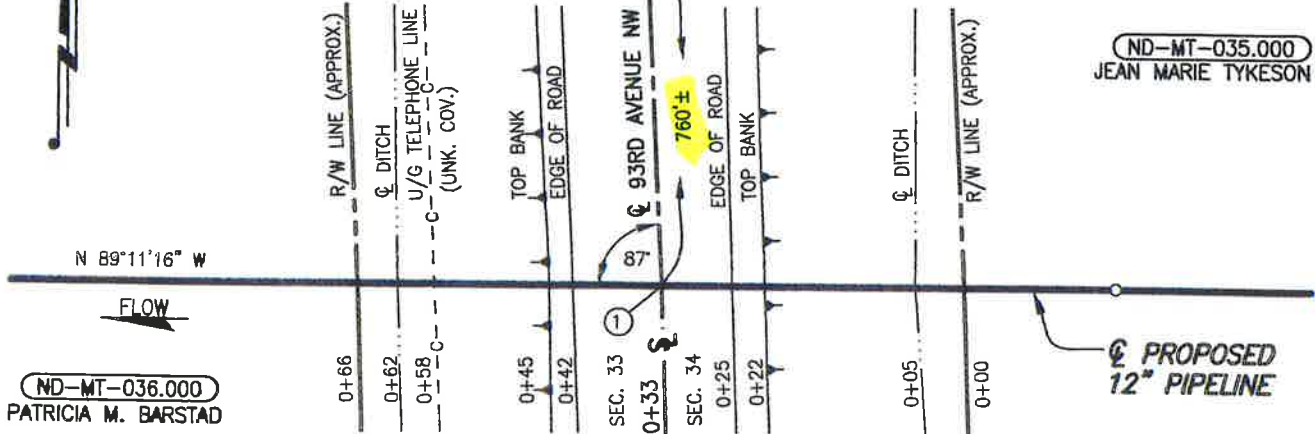
93 Ave. NW

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 33 & 34, TOWNSHIP 156 NORTH, RANGE 93 WEST

CL 61ST STREET NW

ND-MT-035.000
JEAN MARIE TYKESON

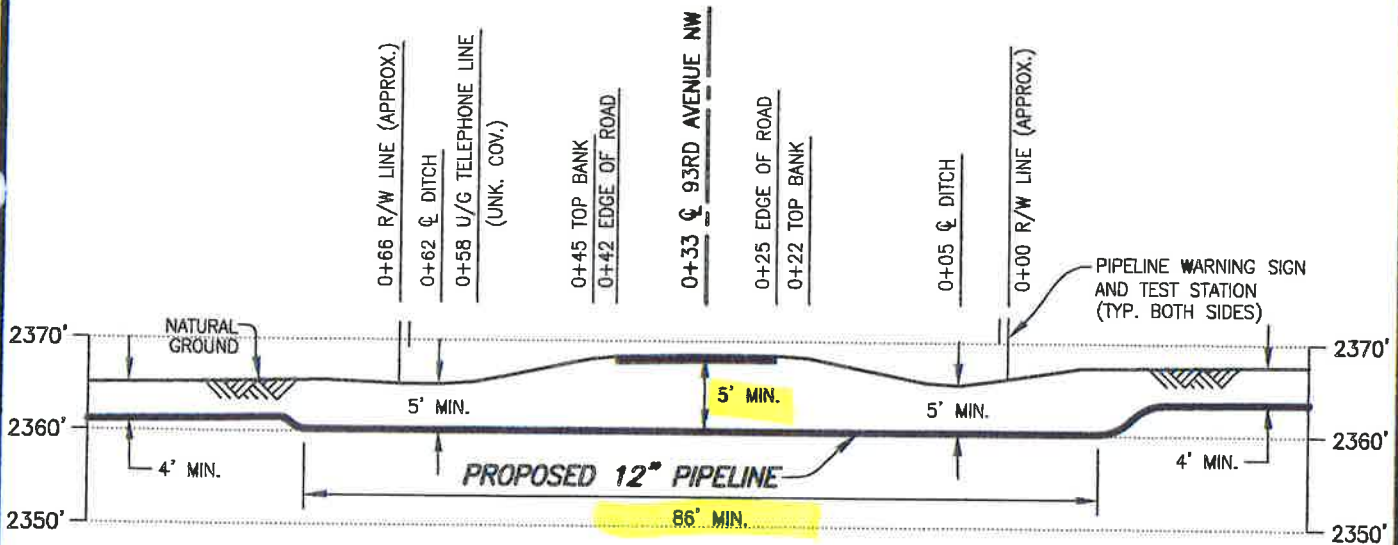


ND-MT-036.000
PATRICIA M. BARSTAD

ND-MT-036.900

PLAN

SCALE: 1"=20'



PIPELINE WARNING SIGN
AND TEST STATION
(TYP. BOTH SIDES)

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

① X=2216070.92
Y=17558823.16

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET

T.B.M.: CL 93RD AVENUE NW
AT STA. 0+33, ELEV. 2368.46'

C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	05/07/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	CHA	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING

93RD AVENUE NW

PROJECT NO. 10395700

MOUNTRAIL COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PRV	DATE: 11/14/14	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MT-036.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-F\MT-036.900.dwg PLOT DATE: 8/28/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

_____ of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
<u>Q4 AVE NW</u>	<u>S- 32+33</u>	<u>T- 156W R- 93W</u>

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
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Dated this 28TH day of JANUARY 20 16.

[Signature]
Authorized agent

[Signature]
Vice President, Land and Right of Way

Telephone

(713) 989-2864

ND-MT-038.900
Q4 Ave NW

Dakota Access, LLC
Company name
1100 Weiss Ave
Mailing address
Bismarck, ND 58503
City, State & zip code
Manitou
Township

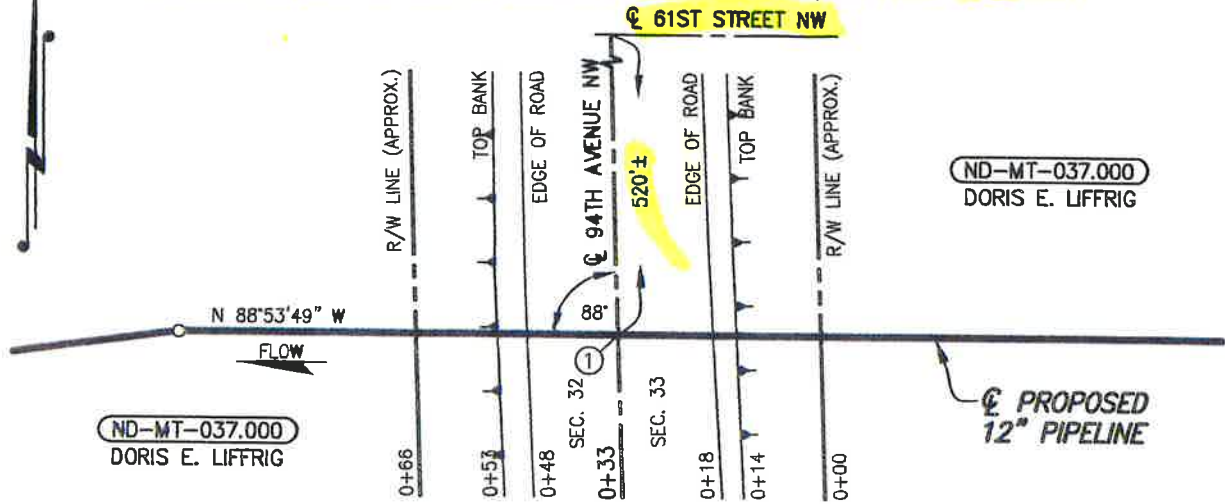
Roger E. Evans
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

ND-MT-038.900
94 Ave NW

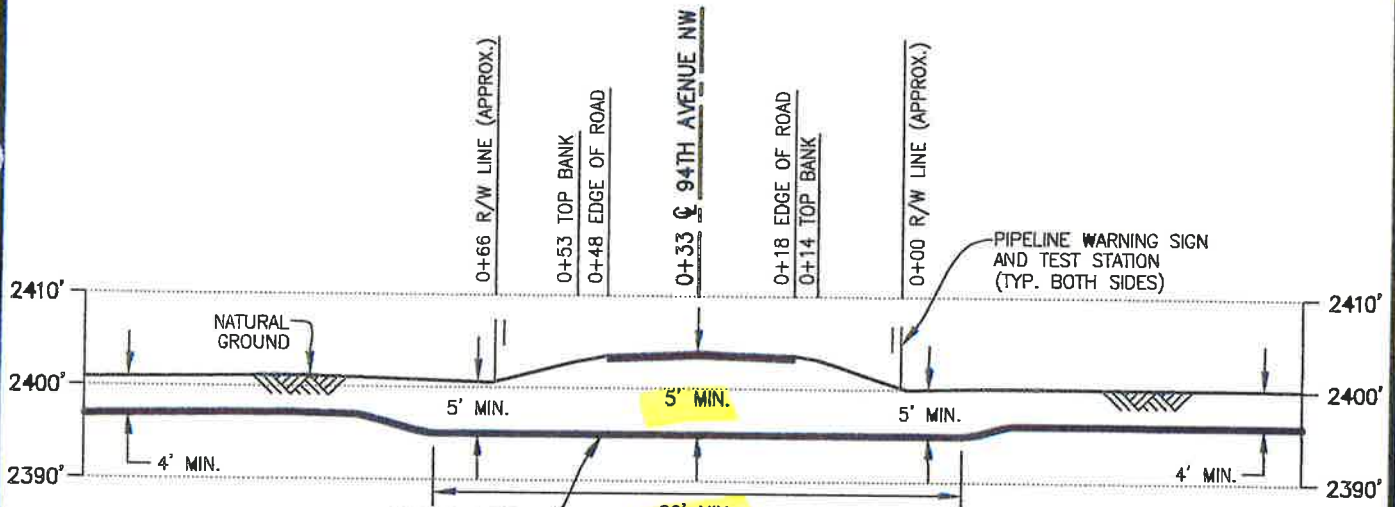
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 32 & 33, TOWNSHIP 156 NORTH, RANGE 93 WEST



PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=2210784.90
 Y=17558914.58

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 94TH AVENUE NW AT STA. 0+33, ELEV. 2403.36'

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	PRV	ISSUED FOR REVIEW	RC



PROPOSED 12" DAPL PIPELINE CROSSING 94TH AVENUE NW

PROJECT NO. 10395700

MOUNTRAIL COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PRV	DATE: 12/17/14	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MT-038.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-1
 -MT-038.900.dwg PLOT DATE: 8/28/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Clare Cunningham of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
<u>95AVE NW</u>	<u>S-32</u>	<u>T-156 R-93W</u>

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
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Dated this 28TH day of JANUARY 2016.

[Signature]
Vice President, Land and Right of Way

Authorized agent

(713) 989-2864
Telephone

ND-MT-040.900
95 AOE. NW

DAKOTA ACCESS

Company name

1100 Weiss Avenue

Mailing address

Bismarck, ND 58503

City, State & zip code

Manitou

Township

Roger E. Evers

Chairman

Please Return Permit To:

Claire Cunningham

1100 Weiss Avenue

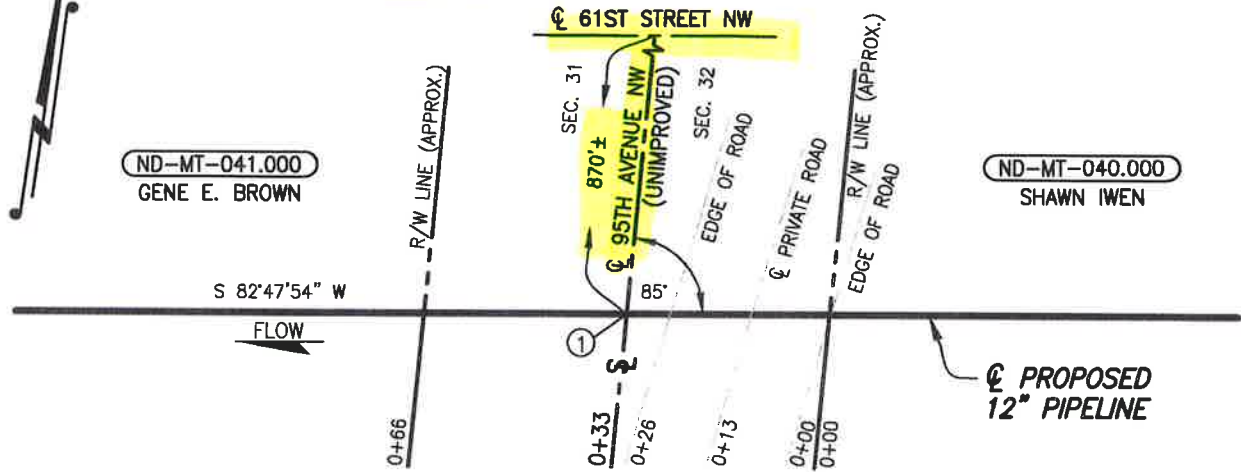
Bismarck, ND 58503

802.989.2489

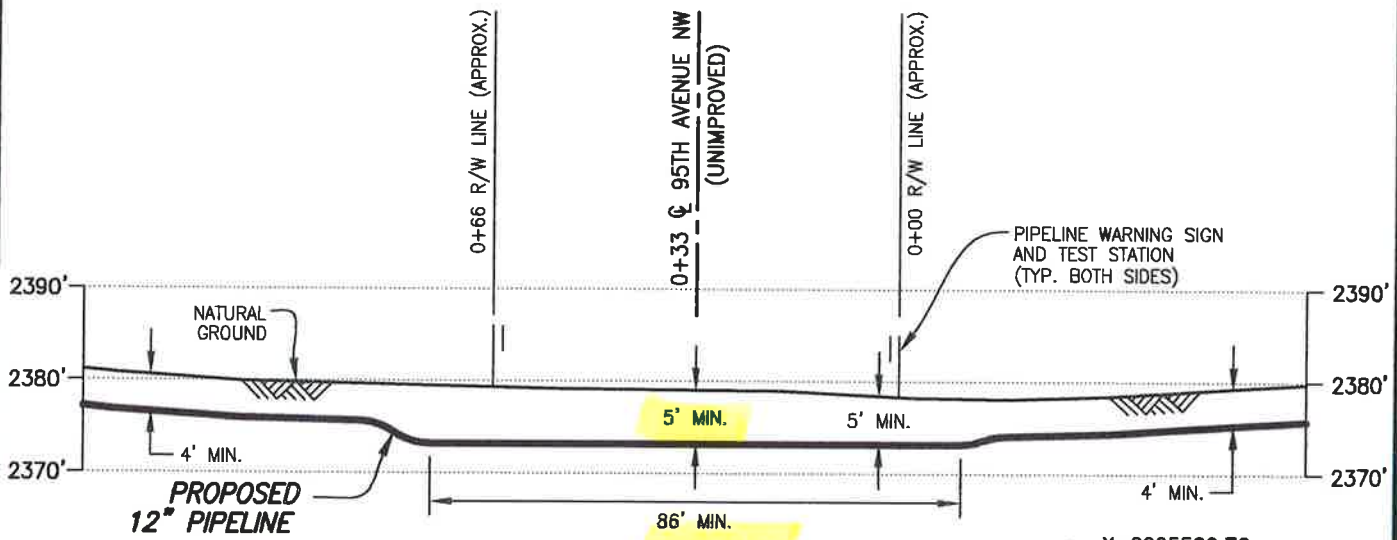
ND-MT-040900
Q5AVE NW

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 156 NORTH, RANGE 93 WEST



ND-MT-040.900
PLAN
SCALE: 1"=30'



PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 52,000 PSI


PROFILE
 SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=2205522.72
 Y=17558415.72
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ϕ 95TH AVENUE NW (UNIMPROVED)
 AT STA. 0+33, ELEV. 2379.03'

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/14/15	JTM	ISSUED FOR USE/PERMIT	RC
A	07/07/15	RG	ISSUED FOR USE/PERMIT	EDF

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

 DAKOTA ACCESS, LLC

**PROPOSED 12" DAPL PIPELINE CROSSING
 95TH AVENUE NW (UNIMPROVED)**

MOUNTRAIL COUNTY NORTH DAKOTA

DRAWN BY: JWH	DATE: 04/01/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 10/07/15	ND-MT-040.900	B
SCALE: AS SHOWN	APP.: RC		

FILE: R:\Proj\33957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-P8-ND-0.900.dwg PLOT DATE: 12/14/2015 BY: VILLARREAL, PHIL

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Clare Cunningham of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

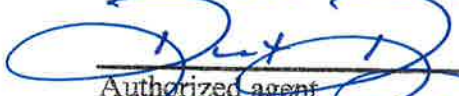
Route	between Sections	Township	
61 ST. NW	S-31	T-156N	R-93W

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
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Dated this 28TH day of JANUARY 20 16.



Vice President, Land and Right of Way

Authorized agent

(713) 989-2864

Telephone

DMW

ND-MT-041.900
61 St. NW

Dakota Access

Company name

1100 Weiss Avenue

Mailing address

Bismarck, ND 58503

City, State & zip code

Manitou

Township

Roger E. Evers

Chairman

Please Return Permit to:

Claire Cunningham

1100 Weiss Avenue

Bismarck, ND 58503

802.989.2489

ND-MT-041.900
601 ST. NW

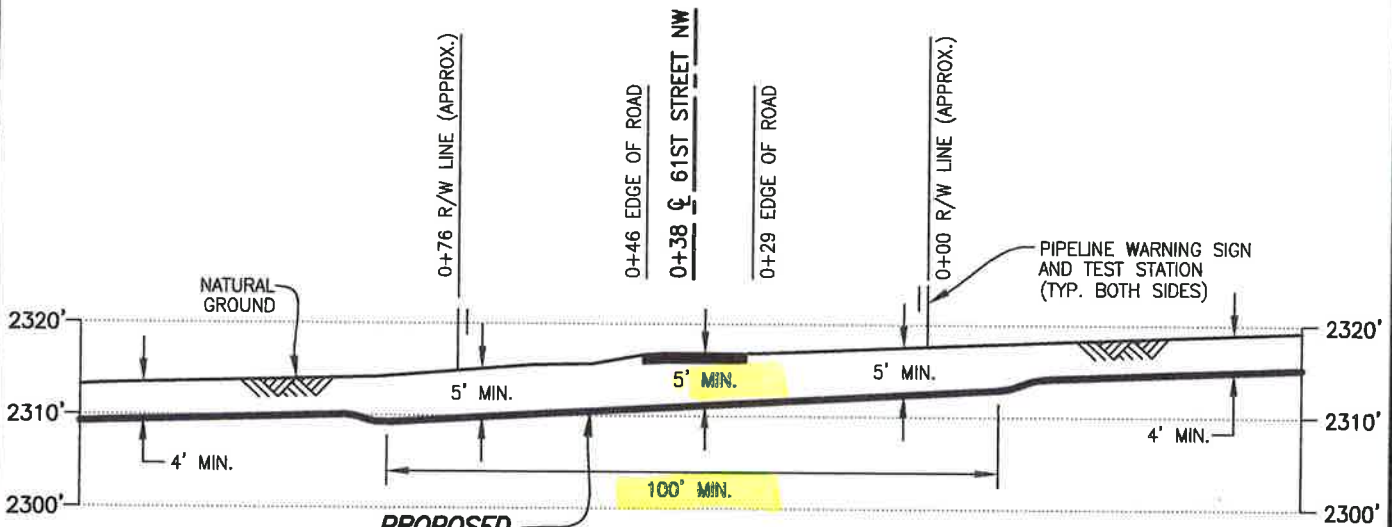
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTION 31, TOWNSHIP 156 NORTH, RANGE 93 WEST



PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 52,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=2202921.91
 Y=17558073.90

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 61ST STREET NW AT STA. 0+38, ELEV. 2316.79'

D	12/11/15	PRV	ISSUED FOR USE/PERMIT	RC
C	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	CHA	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 61ST STREET NW

PROJECT NO. 10395700

MOUNTRAIL COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: OP

DATE: 12/15/14

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-MT-041.900

D

SCALE: AS SHOWN

APP.:

I:1.900.dwg PLOT DATE: 12/11/2015 BY: MADAMBIA, JOEY

J:\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND-

FILE: R:\Proj

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Naire Cunningham of DAKOTA ACCESS, LLC

having requested permission from Manitou Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township
96 AVE NW	S-31+36	T-156N R-93+94W

Attach maps and construction plans

1. Utility Company agrees to pay Manitou Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Manitou Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.

[Signature]
Vice President, Land and Right of Way

Authorized agent

(713) 989-2864
Telephone

894

ND-MT-043.900
96 AVE. NW

Dakota Access, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND, 58503
City, State & zip code
Manitou
Township

Roger Egan
Chairman

Please Return Permit To:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

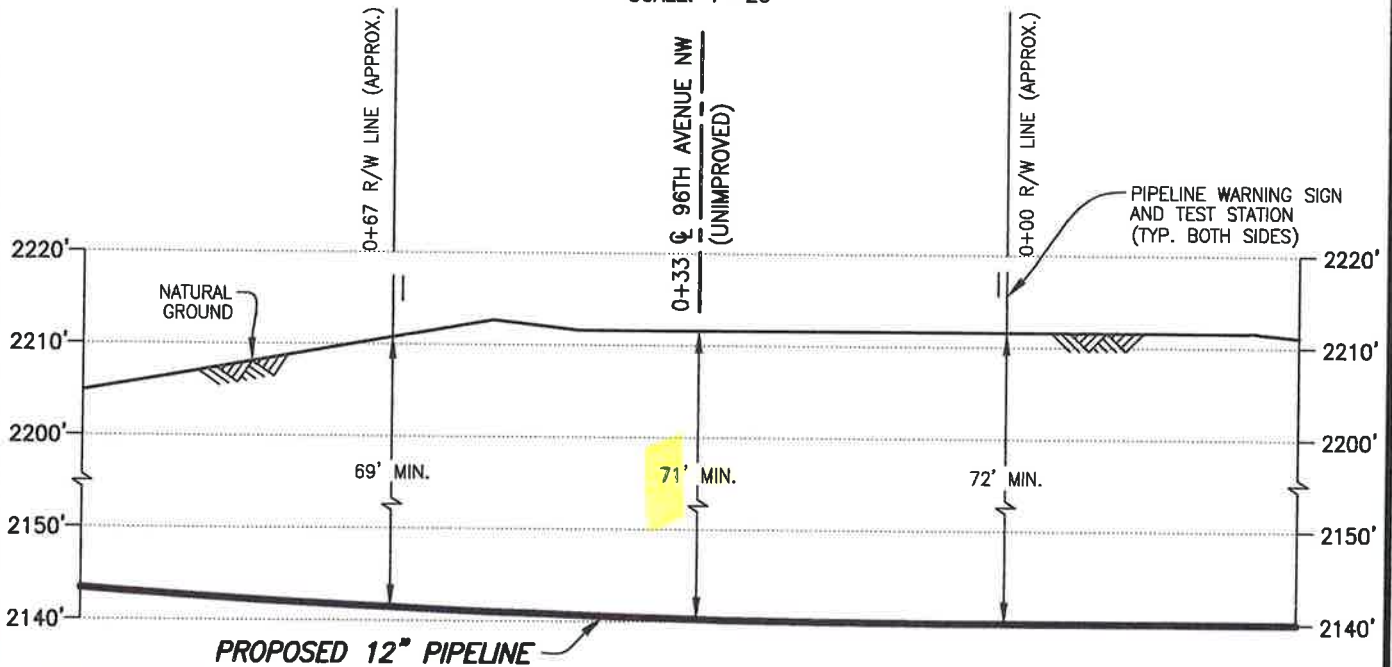
ND-MT-043900
96 AVE NW

MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 31 & 36, TOWNSHIP 156 NORTH, RANGES 93 & 94 WEST



PLAN
SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

① X=2200396.13
Y=17557311.80

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 96TH AVENUE NW (UNIMPROVED) AT STA. 0+33, ELEV. 2211.57'

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: HDD
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/14/15	PRV	ISSUED FOR USE/PERMIT	RC
B	07/07/15	RG	ISSUED FOR USE/PERMIT	EDF
A	05/07/15	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



**PROPOSED 12" DAPL PIPELINE CROSSING
96TH AVENUE NW (UNIMPROVED)**

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 04/01/15	DWG. NO.	REV.
CHECKED BY: EDF	DATE: 07/08/15	ND-MT-043.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\Proj. J3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND-13.900.dwg PLOT DATE: 12/14/2015 BY: MUALLEM, MIKE

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Claire Cunningham of Dakota Access, LLC

having requested permission from Myrtle Township, apolitical sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route between Sections Township
99 Ave. NW S-33/34 T-156N R94W

Attach maps and construction plans

- 1. Utility Company agrees to pay Myrtle Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Myrtle Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28th day of JANUARY 20 16.

[Signature] Vice President, Land and Right or way
Authorized agent (713) 989-2864

Telephone

ND-MT-050.900
99 Ave NW

Company name

Mailing address

City, State & zip code

Myrtle Township

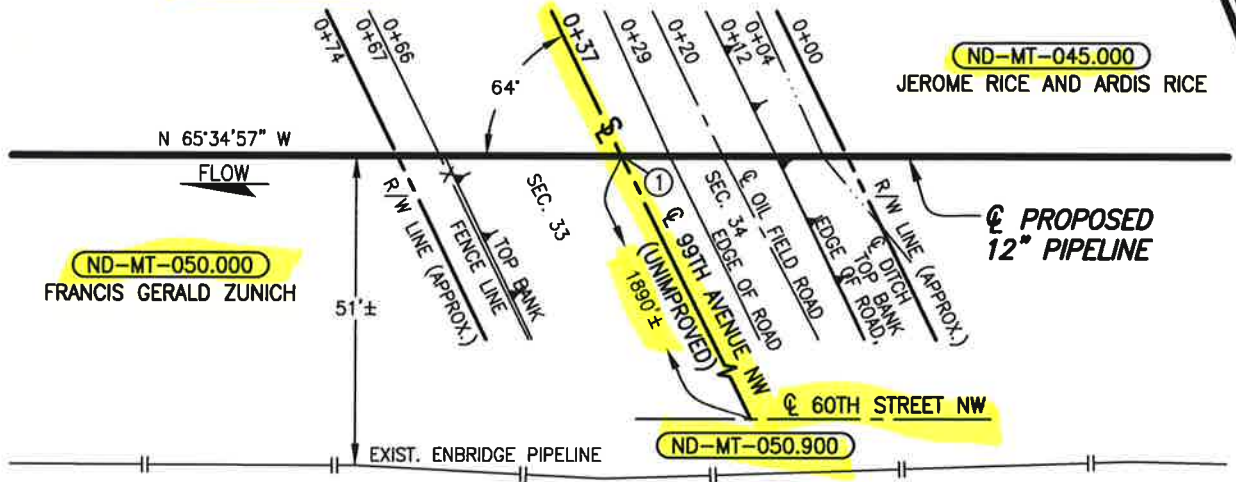
Scott Liedle 2-17-16

Chairman

ND-MT-050.900
99 Ave NW

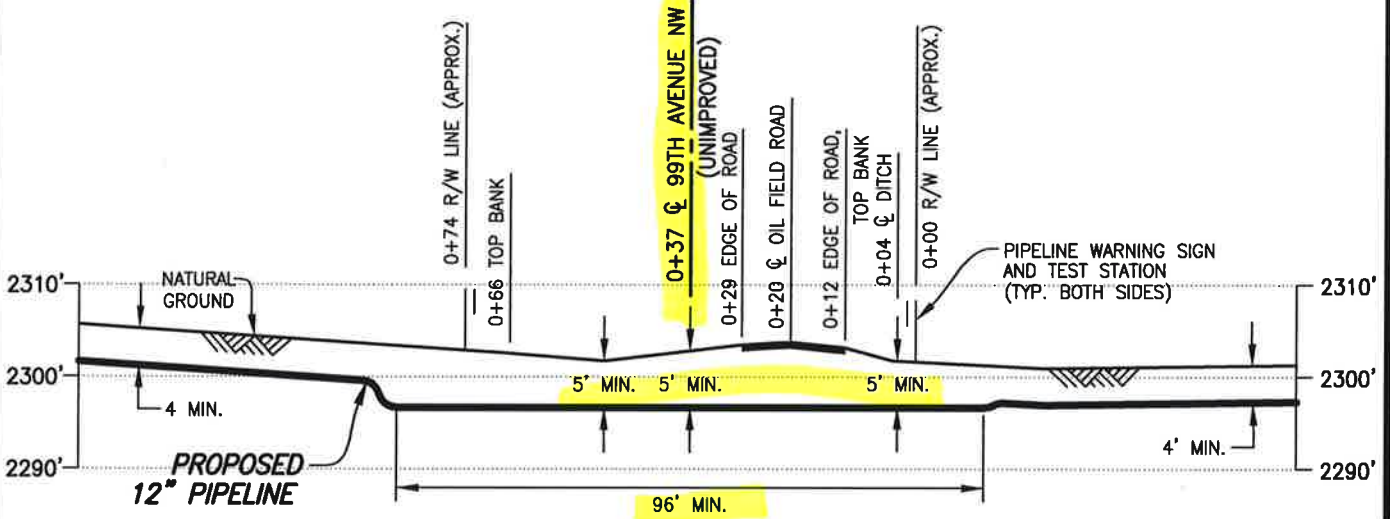
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 33 & 34, TOWNSHIP 156 NORTH, RANGE 94 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2184594.22
Y=17555288.06

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot OIL FIELD ROAD AT STA. 0+20, ELEV. 2303.77'

PIPE SPECIFICATIONS

PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 52,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	02/08/16	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 12" DAPL PIPELINE CROSSING 99TH AVENUE NW (UNIMPROVED)

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: JMH	DATE: 02/08/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 02/09/16	ND-MT-050.900	A
SCALE: AS SHOWN	APP.:		

CONCENT FOR UTILITY COMPANY TO CROSS TOWNSHIP ROADS AND SECTION LINES

Clare Cunningham of DAKOTA ACCESS, LLC

having requested permission from Myrtle Township, a political sub-division of Mountrail County of the State of North Dakota, to cross certain roadways

List roads to be crossed

Route	between Sections	Township	
100 AVE. NW	S-32+33	T-156N	R-94W

Attach maps and construction plans

1. Utility Company agrees to pay Myrtle Township \$500 per crossing.
2. Utility Company must pay for all damage to the existing road caused by its activities.
3. When the utility company crosses an existing road or section line, the utility company shall be responsible to pay for all costs of moving or relocating or reconstruction of the buried facility, shall Myrtle Township deem it necessary or advisable to repair or reconstruct existing road or to build new roads on as allowed by North Dakota law. Shall Utility Company fail to take necessary steps to relocate, they herby agree to reimburse the Township for all expenses incurred in reconstructing the buries facility.
4. Utility Company agrees to bore all crossings in said township.
5. Any clay or mud carried on to gravel surfaces, shalle be cleaned off or new gravel placed on top.

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the Utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated here

Dated this 28TH day of JANUARY 20 16.

[Signature]
 Authorized agent
(713) 989-2864
 Telephone

Vice President, Land and Right of Way

ESW

ND-MT-052.900
100 AVE NW

DAKOTA ACCESS, LLC
Company name
1100 Weiss Avenue
Mailing address
Bismarck, ND 58503
City, State & zip code
Myrtle Township
Township

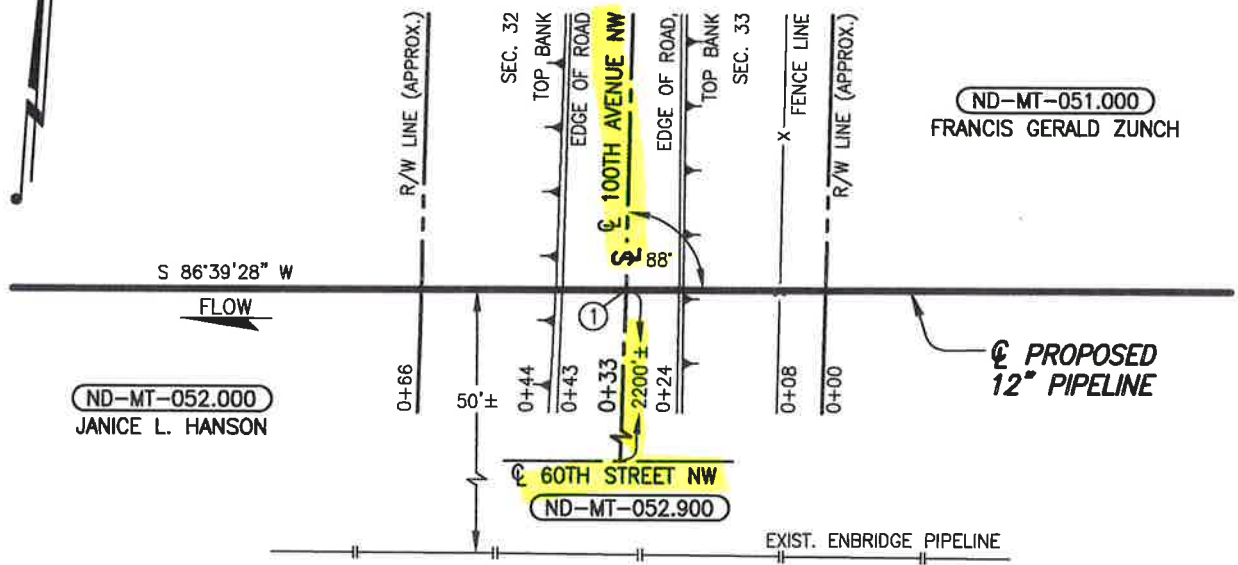
Scott Liedle 2-17-16
Chairman

Please return permit to:
Claire Cunningham
1100 Weiss Avenue
Bismarck, ND 58503
802.989.2489

ND-MT-052.900
100 Ave. NW

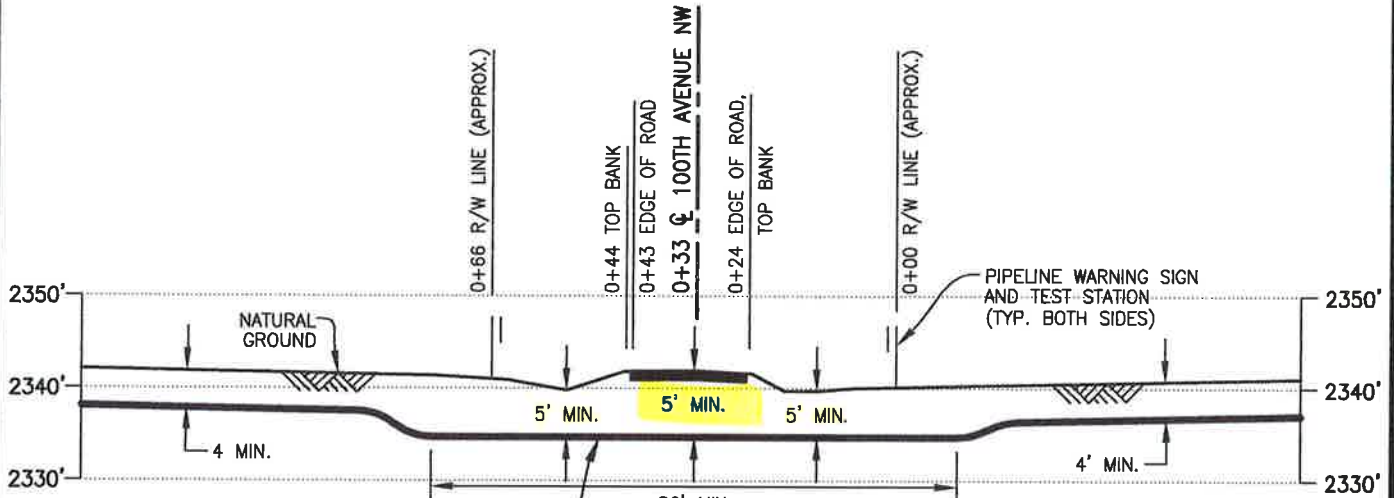
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTION 32 & 33, TOWNSHIP 156 NORTH, RANGE 94 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 12.75" O.D. x 0.500" W.T.
 API 5LX-52 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 52,000 PSI

① X=2179316.05
Y=17555514.59

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 100TH AVENUE NW
 AT STA. 0+33, ELEV. 2341.87'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/11/15	JMH	ISSUED FOR USE/PERMIT	CH
B	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC



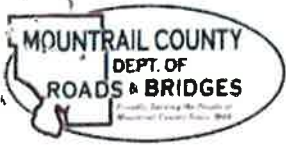
PROPOSED 12" DAPL PIPELINE CROSSING 100TH AVENUE NW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/22/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MT-052.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\Proj\03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957-PB-ND-52.900.dwg PLOT DATE: 12/14/2015 BY: HUMBERSON, JEREMY



Permit# 308

**CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

DAKOTA ACCESS, LLC of 1300 Main St., Houston, Tx 77002
(Company) (Address)

hereinafter referred to as "utility company", having requested permission from Mountrail County, a political subdivision of the State of North Dakota, to cross an existing road or section line with a buried transmission facility designed to carry or conduct oil, gas, water, electricity, telephone, or any other substance or service whatsoever, and Mountrail County having considered the request does grant consent to cross the following described existing road or section line, upon the terms and conditions herein stated:

(Please include 911 Route #)

Route CR#9 in Section(s) 31/32, Township 156 N, Range 94 W
101st Ave Myrtle

(Attach maps and construction plans) Check 1427
At a minimum, acceptable plans will include method of crossing existing roads or section lines and size and material used for the buried facility.

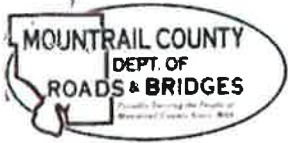
CHECK TYPE OF MATERIAL: WATER OIL GAS OTHER _____

Consent to cross such existing road or section line is granted on these terms and conditions:

1. Pay a fee \$200.00 per crossing to Mountrail County; due at time of submittal.
2. Utility company must pay for all damage to the existing road caused by its activities, including but not limited to slumping in of trenches and collapse of pipe.
3. Utility company is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in crossing any existing road or section line in Mountrail County. Furthermore, utility company agrees to indemnify and hold harmless Mountrail County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against Mountrail County on account of the activities conducted by the utility company in crossing any existing road or section line.
4. When the utility company crosses an existing road or a section line, the utility company shall be responsible to pay for all costs of moving, relocating, or reconstructing the buried transmission facility should Mountrail County deem it necessary or advisable, in its sole discretion, to repair or reconstruct existing roads or to build new roads on section lines or off section lines as allowed by North Dakota law. Should the utility company fail to take necessary steps to relocate or reconstruct its buried transmission facility, the County may take steps to have the same accomplished, and the utility company agrees to reimburse the County for all expenses incurred by Mountrail County in moving, relocating or reconstructing the buried transmission facility so the existing roads



ND-MT-054.900
CR #9



Permit# 308

CONSENT FOR UTILITY COMPANY TO CROSS A PUBLIC ROAD OR SECTION ROAD

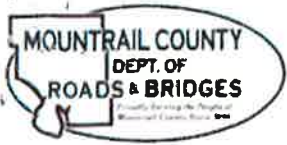
may be repaired or reconstructed, or new roads may be built on the section line or off the section line as allowed by North Dakota law.

5. The buried transmission facility to be installed by the utility company in crossing any existing road shall at a minimum comply with the following engineering standards:
 - (a) No associated work shall commence prior to obtaining this permit.
 - (b) No open cut trenching of County Roads unless otherwise approved.
 - (c) County paved roads or County roads treated with road stabilization materials may only be bored.
 - (d) All crossings of existing roads not trenched as in Section 5 below shall be bored to a depth of five (5) feet below original ground or ditch elevations.
 - (e) Pipe shall be cased or heavy wall pipe used.
 - (f) All parallel borings must be a minimum of 75-80 feet from road centerline.
 - (g) Vent pipes must be outside existing right-of-way lines or 75-80 feet from road center, whichever is greater.
 - (h) All disturbed ground within right-of-way must be rehabilitated by covering with black dirt and seeding with an approved mix.
 - (i) If vent pipes are not used within the (10) feet of both sides of right-of-way, the transmission facility must have markers outside of the right-of-way line or 80 foot line, whichever is greater, on both sides of the road.
 - (j) The Company's plan to bury a transmission facility filed with the County Auditor must show at a minimum, in plain view and cross sectional view, the location of the crossing from a section or quarter line; section, township and range the crossing is located in; the location of vent pipes, if any, in proximity to the crossing; and the angle of crossing.
 - (k) The Company's plan must be submitted to the County Auditor for review prior to consideration by the Board of Commissioners. Plans must be available for consideration by the Board at least two (2) weeks prior to the commencement of the project.

6. When permission is specifically granted by the Commission of Mountrail County for a crossing to be trenched or plowed, the trenching or plowing may be no more than eight (8) inches in width. The Company will apply surfacing materials and pack the site, returning it as close as possible to the original compaction. The Company will be responsible for all such crossings for a period of three (3) years, repairing during those three (3) years any damages to the road resulting from their activity. Any crossing which cannot be accomplished with this method must be bored.

7. Utility company must comply with all terms and conditions stated herein, with particular attention to the minimum engineering standards. Failure to comply with this **CONDITIONAL CONSENT** shall cause the consent to be rescinded and utility company must remove facility from right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the buried transmission facility from right-of-way for non-compliance and reimbursement will be made to the County by utility company for doing the same.

ND-MT-054.900
CR#9



Permit# 308

**CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

I, the undersigned, being an authorized agent of the utility company described in the above, do hereby agree on behalf of the utility company that all terms and conditions above will be complied with, and any assignment of this buried transmission facility described above shall include an assignment of this liability to comply with the terms and conditions as stated herein.

Dated this 28th day of JANUARY 2016.

Robert Rose

Vice President, Land and Right of Way

Authorized Agent of Utility Company - name and signature

(713) 989-2864

ROBERT.ROSE@ENERGYTRANSFER.COM

Telephone Number and Email address

Please return a copy of the signed permit to:

Claire Cunningham
Company or Agent Name

1100 Weiss Avenue
Mailing Address

Bismarck, ND 58503 (862) 989-2489
City, State & Zip Code

FOR COUNTY USE:

Reviewed by Mountrail County Road Engineer 26th day February, 2016

Jana Heberlein
Signature, County Road Engineer

Permission granted by Mountrail County, a political subdivision of the State of North Dakota, for installation of the buried transmission facility proposed above under existing roads and section lines as stated above pursuant to the conditions and limitations stated this 15th day of March 2016.

Arlo Bond
Chairman of the Board
Mountrail County Board of County Commissioners

PERMIT IS VALID FOR ONE YEAR FROM DATE OF ISSUE

308

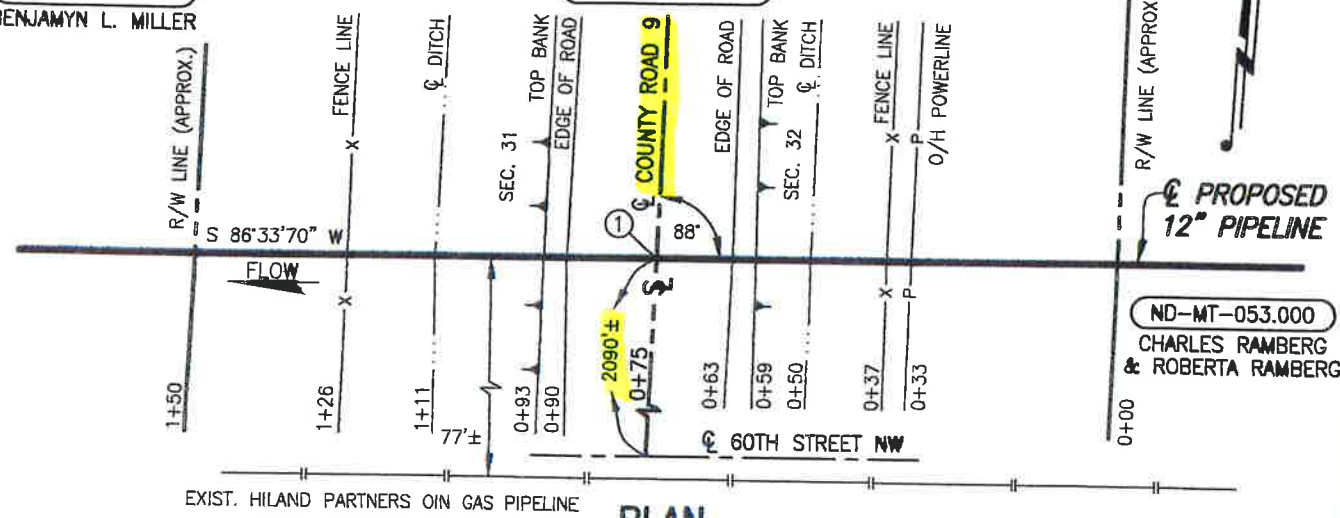
MOUNTRAIL COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 156 NORTH, RANGE 94 WEST

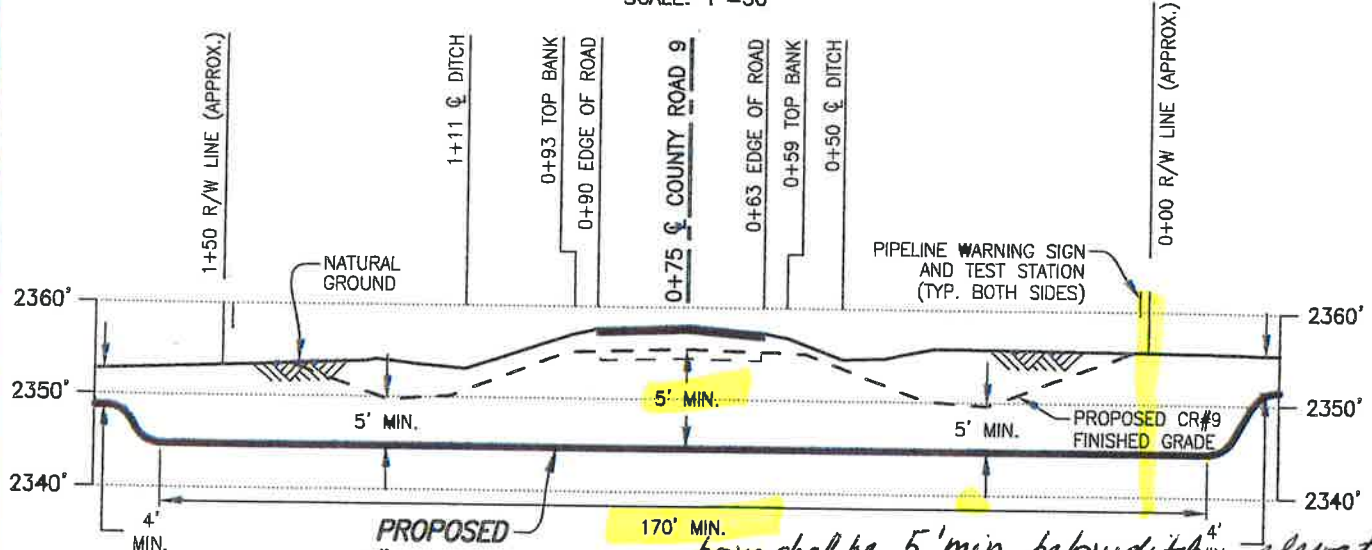
ND-MT-054.000
BENJAMYN L. MILLER

ND-MT-054.900

ND-MT-053.000
CHARLES RAMBERG
& ROBERTA RAMBERG



PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
PIPE 12.75" O.D. x 0.500" W.T.
API 5LX-52 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=2174040.04
Y=17555233.42
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: C. OF COUNTY ROAD 9
AT STA. 0+75, ELEV. 2357.95'

*J4
2-26-16*

REV.	DATE	BY	DESCRIPTION	CHK.
F	08/24/15	PRV	ISSUED FOR USE/PERMIT	RC
E	08/21/15	PRV	ISSUED FOR USE/PERMIT	RC
D	07/01/15	JMH	ISSUED FOR USE/PERMIT	RC
C	05/04/15	JMH	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

**PROPOSED 12" DAPL PIPELINE CROSSING
COUNTY ROAD 9 (101ST AVENUE)**

PROJECT NO. **10395700**
WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MOUNTRAIL COUNTY		NORTH DAKOTA	
DRAWN BY: CHA	DATE: 11/04/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MT-054.900	F
SCALE: AS SHOWN	APP.:		

.00.dwg PLOT DATE: 9/24/2015 BY: VILLARREAL, PHIL

K:\57\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MOUNTRAIL COUNTY\103957

FILE: